

# East-West Center

## Twenty-second Annual Report

For the fiscal year ending  
September 30, 1982



## ACADEMIC FREEDOM

In establishing the non-profit educational corporation to operate the East-West Center, the Hawaii State Legislature in 1975 enacted into law the Center's long-standing policy that the institution shall neither conduct nor support any classified (secret) activity or research, and shall make the results of its activities and research available to the public.

The law also requires that academic freedom shall be upheld and preserved in all of the programs and activities of the East-West Center. Within the framework of the Center's mission, its problem-orientation, and the criteria for team work, the Board of Governors adopted the following policy on academic freedom:

"The East-West Center embraces those aspects of academic freedom which guarantee the freedom to teach and the freedom to learn. Free inquiry and free expression for both participants and staff are indispensable and inseparable. Participants, whether from the United States or from foreign countries, as members of the academic community are encouraged to develop a capacity for critical judgment and to engage in sustained and independent search for the truth.

"Individuals from foreign countries, as full participants in the educational process at the East-West Center, have the right to pursue formal knowledge, verbal or written, in whatever directions and with whatever legitimately appropriate associations as are necessary, without fear of reprisal. The Board of Governors condemns, in the strongest possible terms, any actions or statements on the part of anyone which may tend to interfere with the academic freedom of any participant at the Center. Any monitoring (conducting surveillance, reporting to government officials, issuing threatening warnings, etc.) directly or indirectly of political studies, activities, associations, attitudes or opinions of any participant, student, staff or other member of the East-West Center or the University of Hawaii academic community constitutes such interference.

"For its part, the East-West Center guarantees all participants the freedom of silence. No participant is required to engage in research on any topic or to make statements of any kind unless it is his/her wish to do so.

"The East-West Center would be most concerned if any government placed its own nationals in jeopardy for engaging in normal academic studies on its campus; it urges other governments to accept the concepts of academic freedom prevalent here if they intend for their nationals to study at this institution."



# East-West Center

## Annual Report

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For many years, "Asia watchers" formed a rather small and intimate group, composed primarily of academicians, journalists, and governmental officials. Within the last decade, however, the turn toward Asia and the Pacific—an immense area where nearly half the world's people live—has been dramatic. Today, we are in the Pacific Era, and are encountering vast new economic and political opportunities and challenges.

In the last ten years alone, the value of cargo moving across the Pacific has increased more than ten-fold. U. S. investment in this area more than doubled; Japanese investment multiplied an awesome seven times. And while the United States and Europe were moving along at a sluggish 3 percent growth rate, Japan continued its boom. Areas such as South Korea, Singapore, Hong Kong and Taiwan were chalking up growth rates around 10 percent a year while others such as Australia, New Zealand, Thailand, the Philippines, and Malaysia were not far behind. The Pacific region has now surpassed Europe as the major trading partner of the United States, and Americans now must look to the Pacific area as a major stimulus for our own continued economic development.

The importance of the Pacific extends well beyond economic matters. In terms of national security, our last three wars were fought there, in whole or in part. More broadly, political conflict might again erupt in the region, with potential widespread effects. Confrontations in Korea and Indochina are dangerous and volatile. Sino-Soviet and India-Pakistan antagonism remain, although at a lower level than before. China's political re-emergence and Japan's continued economic growth are viewed with mixed feelings, particularly by the ASEAN countries. Internally, a number of countries in the region are experiencing varying degrees of domestic political struggle as new forces begin to cope with changing conditions and perhaps attempt to realign the distribution of political power.

Culturally, the Asia/Pacific region contains the richest diversity of human development and culture in the world. It offers exciting potential for creative patterns of cooperation and progress. The task is to establish these ties with a clear and informed understanding of the area and its particular set of perceptions, habits and values.

The growing prominence and importance of this region was anticipated in 1960 when the United States Congress, in cooperation with the new state of Hawaii, created the educational institution known as the East-West Center. The Center has proved to be a unique linking point among the nations and people of Asia, the Pacific and the United States, as well as a repository of knowledge about the conditions and developments in the region.

In pursuing its mandate "to promote better relations and understanding through cooperative study, training and research," the Center brings together academic, governmental, professional and business leaders from the region to examine major problems and develop better solutions. The issues



with which they deal are critical to the future of the region, and indeed, to the world—issues such as the causes and consequences of population growth, implications of the explosion in new communications technology, the need to ensure security for food and energy supplies, and ways to overcome cultural barriers that obstruct communication and cooperation.

The final step in this process is to convert research results into practical action. Drawing on the close ties that have been established with key people and institutions in the region, the Center brings new findings and alternative approaches directly to appropriate private and public decision makers.

Over 30,000 men and women from Asia, the Pacific and the United States have participated in this process at the East-West Center. While here, they expanded their knowledge and also contributed their skills to the solution of human problems. These persons now form the core of a network of cooperation and mutual assistance that makes the whole greater than the sum of its parts.

We have started a quiet, positive revolution in this region which spans more than half the globe. It is a revolution of peace, helping to bring about needed change through genuinely cooperative and mutually beneficial means. We welcome your help and invite you to be a partner.



# Office of the President

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The Board of Governors appointed Victor Hao Li, professor of international legal studies at Stanford University, as President of the Center on October 1, 1981. Under President Li's leadership, the Center's programs and supporting services were carefully reviewed. As a result, several programmatic changes were initiated in the Culture Learning Institute and the Communication Institute in order to sharpen the programmatic foci of these two programs. In addition, Centerwide Programs were initiated to address major issues in fields such as international relations and economics which were not central to existing programs. Program administration was also restructured by combining the program and fiscal support staffs from the various institutes into two Program Support Offices. The several separate Resource Material Collections were also combined into two. Finally, the Institutes' publications officers and related staff were combined into a single Publications Office. These efforts were all designed to provide more efficient and effective service to the various programs by reversing the proliferation of separate supporting structures.

The Congressional appropriation for FY82 was \$16,880,000, and support from other sources - primarily from contracts, grants, and cost-sharing - provided an additional \$3,774,619 for a total budget of \$20,654,619. Financial contributions from foreign governments totaled \$432,479. During the year, plans were developed to establish a separate non-profit corporation, the East-West Center Fund, to provide financial support for programs and activities of the East-West Center. The Fund will focus on expanding donations from the private sector as well as coordinating other fund raising efforts.

Overall activities within Center programs continued at a high level with a total of 1,978 participants (including 229 fellows, 829 professional associates, 373 field participants, 165 interns, 21 joint doctoral interns, 166 doctorate degree students, and 195 masters degree students) involved in various program activities.

Several executive staff positions were filled during the year including the appointments of Dr. Douglas Murray as Vice President, Mr. Wesley Park as Vice President for Administration, and Ms. Diane Dods as Director of Public Affairs.







# Environment and Policy Institute

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William H. Matthews, Director

How do countries, individually and collectively, manage and use the natural environment to assure its sustained productivity in meeting human needs? The dependence of people on the natural environment, coupled with the realization that use for one purpose can have consequences for other uses, presents a significant challenge for the future. The Environment and Policy Institute was established in October 1977 in response to this challenge.

Governmental and private organizations are continuously adopting, adapting, and implementing policies designed to meet a broad range of human and societal needs. In order to be implemented, these policies often depend to a large degree on the use of some part of the natural environment—the biophysical systems and the natural resources that constitute our planet. This environment is finite and responds to demands on it within the limits of the natural laws that govern it. The pressures of growing populations, of rising expectations, and of sophisticated technologies combine to make it difficult to meet the numerous policy objectives that rely on a common environment.

There are three major elements of EAPI's work: (1) identifying issues, problems, and relationships of central concern in the region; (2) research on key subjects to provide contributions to knowledge and to develop analytical approaches and insights that have broad practical applications; and (3) building and strengthening of professional capabilities within the region for studying and dealing with issues of environment and policy.

Consequently, the Institute has adopted a two-pronged approach:

(1) Examining specific elements of the natural environment (such as forest lands, air quality, upland ecosystems, fisheries) and their relationships to specific policy issues (such as, respectively, meeting fuel and food needs, coal combustion, shifting agriculture, and management of extended maritime jurisdictions).

(2) Developing, testing, and applying multidisciplinary concepts, tools, and techniques that are useful in dealing with the environmental dimensions of sectoral policies (e.g., environmental assessment and economic analysis).

## ACCOMPLISHMENTS

In FY82, the research activities and staff of the Institute continued work on four interrelated program areas: Natural Systems Assessment for Development, Human Interactions with Tropical Ecosystems, Marine Environment and Extended Maritime Jurisdictions, and Environmental Dimensions of Energy Policies.



During the fiscal year, EAPI published six books, five Research Reports, two bibliographies, seventeen working papers, seventeen reprints, and twenty-two journal articles and chapters in books.

Workshops involved about 400 participants from over two dozen countries, and institutional linkages continued to be strengthened and expanded. EAPI cosponsored workshops in Australia, China, Korea, Malaysia, the Philippines, and the United States (in three states). Official cosponsors of specific activities included government agencies, academic and research institutions, private industries, and United Nations organizations. These institutions contributed \$558,000 in cost-sharing and contracts and grants toward EAPI activities during the year.

The results of several long-standing research activities were accepted for publication this year. The guide for economic valuation of environmental and natural resource factors in development planning will be published by Johns Hopkins University Press. The marine policy atlas focusing on resource management issues in Southeast Asia will be published by the University of California Press. The guidelines for offshore oil exploration and development will be published by Penn Well Books (publisher of the Oil and Gas Journal). The handbook on scientific information for development officials will be published by Macmillan Publishing. The volume on hydrocarbon potential in the South China Sea was published by Pergamon Press and the work on shipping and transportation will be published by Dalhousie University. In all these areas, EAPI was successful in placing the works with leading publishing houses in the fields.

With the research phase in many areas reaching the product stage, EAPI was able to move forward on dissemination. The economic benefit/cost guide was tested in the Philippines and resulted in plans for additional cosponsored and cost-shared workshops in Thailand, Korea, Sri Lanka, and Indonesia. The offshore oil exploration guidelines were examined by workshops in Australia and Indonesia, resulting in a major dissemination within Indonesia of translations of the material to all national, provincial, and private sector organizations dealing with the subject. Materials on an approach to agroforestry were completed at EAPI by a multinational team and tested with provincial agricultural and forestry extension officials in the Philippines resulting in formal adoption of the approach; similar activities were arranged for Thailand, Papua New Guinea, and Indonesia. Commitments were made by agencies in the Philippines, Indonesia, and Malaysia for cosponsored workshops based on the results of research in the area of marine environment and extended maritime jurisdictions.

EAPI products have been reviewed and used or adopted in various forms by several national and international organizations, including the United Nations Environment Program, the UN Statistics Office, UN University, UN Food and Agriculture Organization, UNESCO, UN Development Program, World Bank, ASEAN, ESCAP, U.S. Agency for International Development, and government agencies in the United States, Philippines, Indonesia, China, Australia, and Canada.

The work begun in FY81 on environmental dimensions of the increased use of coal in the region progressed throughout FY82. The priority-setting and



research-planning workshop in Australia resulted in two major activities: a workshop in Korea on siting of coal-fired power plants, and a workshop in three southern states of the United States on coal transportation processes. The latter was cosponsored and heavily cost-shared with the Southern States Energy Board: the states of Tennessee, Kentucky, and Virginia; the Appalachian Regional Commission; and the U.S. Department of Commerce. Following that workshop, research has been under way to prepare a state-of-the-art report of coal transportation in the region and a set of environmental guidelines for consideration in the development of new infrastructure.

Research on human interactions with tropical ecosystems contributed to a new organizational innovation in the region: five key research institutions created the Southeast Asian University Agroecosystem Network. EAPI's close links with this entity will facilitate the joint research activities under way. This work was also given a major boost by a Ford Foundation grant to EAPI of \$150,000 over two years. Several members of this network met with others in southern China this year for a unique workshop on ecological principles in agricultural development cosponsored by EAPI and the Chinese Ministry of Urban and Rural Construction and Environmental Protection.

In the evolving work on management of forest lands, EAPI hosted an unprecedented meeting of the heads of national forestry research institutions from fifteen countries and with six senior officers from international donor organizations. The group set priorities and suggested specific steps for future EAPI research. In another area, scientists from institutions in the region met over the summer to review the literature in the field of designing cropping systems by combining traditional and modern approaches. They then formulated the basis for research programs in integrated pest management and in increasing the nutritional value of crops.

New initiatives were undertaken to explore directions for expansion of EAPI's program. A workshop on water resources management was held to determine future activities in this field. In expanding the client base for research findings, EAPI has also begun interacting with international consulting firms active in Asia and the Pacific.

#### Program Area 1. Natural Systems Assessment for Development

Economic development policies in the East-West Center region depend largely on using and maintaining the natural systems that comprise renewable resources and the environment. This methods-oriented program area focuses on ways to provide policy and decisionmakers with useful scientific and economic information about environmental quality and natural resources that are affected by or affect economic development. The methods research includes environmental impact assessment, benefit-cost analysis, land capability assessment, land use planning, natural systems management, and administrative arrangements and procedures. The knowledge to be applied concerns the structure and function of ecosystems, the bio-geophysical description of nature, and economic valuation of natural systems states and changes--all, of course, within the larger and important context of sociocultural and political circumstances in each nation.



Opportunities and limitations for development of natural systems must be understood by nontechnical development personnel. EAPI is fulfilling a need for concise, simplified explanations of the interactions of development projects and natural systems by preparing a handbook in which each chapter reviews a major concern of planners about the natural environment. Subjects include several research areas being examined by EAPI, such as soil erosion by water, watershed protection, coastal zone deterioration, and satellite remote sensing.

Benefit-cost analysis, including its application to natural systems and environmental quality valuation, is a technique that can help decision-makers make choices about the allocation of scarce resources. In applying benefit-cost analysis both to changes in natural systems and environmental quality and to management actions, the changes and actions must be expressed in specific physical terms--quantitatively--if at all possible. The products of work in this area include a guide to extended benefit-cost analysis and associated case studies produced by a multinational team of economists and natural resource-environmental quality professionals. It is designed to be useful to government agencies and training institutes in the region and is being tested in several countries.

#### Project Team:

Research Associates Richard A. Carpenter (coordinator), John Dixon, Somluckrat Wattanavitukul; Adjunct Research Associates Hiroshi Yamauchi, Dieter Mueller-Dombois, Stephen Lau, and Samir El-Swaify; and Long-Term Fellow Maynard Hufschmidt.

#### Cooperating Institutions:

U.S. Agency for International Development; U.S. National Park Service; United Nations Environment Programme; The World Bank; Beijing Municipal Research Institute, China; University of the Philippines, Los Banos; Philippines National Environmental Protection Council; and the Economic Planning Board in Korea.

#### Program Area 2. Human Interactions with Tropical Ecosystems

Tropical ecosystems are under increasing pressure to meet expanding human demands. Although rich in valuable resources, these natural systems are often inherently fragile and subject to breakdown when improperly managed. The development of ecosystem strategies specifically adapted to the unique social and environmental conditions of tropical Asia and the Pacific is a major concern of scientists and policymakers in the region. The major objective of this program area is to assist in developing these ecosystem strategies.

Because lack of adequate scientific understanding of how tropical ecosystems function is a constraint to efforts to develop improved management strategies, ecological research on the dynamics of forest and agricultural systems is a basic need. It is also recognized, however, that because human activities exert a major influence on all tropical ecosystems, these systems cannot be adequately understood without taking

into account their interaction with human social systems. Thus, multidisciplinary human ecology research by natural and social scientists is the central conceptual approach in this program area.

Research is concentrated on three principal areas: understanding tropical ecosystem dynamics, developing conceptual approaches to human ecology, and formulating improved ecosystem management strategies. Topics currently being studied that relate to ecosystem dynamics include polycultural agricultural systems, mangrove ecosystems, and watershed forest influences. The human ecology work emphasizes working with natural and social scientists in the region to develop better conceptual approaches to understanding human interactions with tropical ecosystems, including exploration of the role played by cultural values in human ecology. Various strategies for improving management are being tested particularly with regard to methods for agroforestry extension and forest land use planning.

#### Project Team:

Research Associates A. Terry Rambo (coordinator), Lawrence S. Hamilton, Gerald G. Marten, and Napoleon T. Vergara; Adjunct Research Associates Karl L. Hutterer and Joseph P. O'Reilly; Research Fellow Neil L. Jamieson.

#### Cooperating Institutions:

Australian Development Assistance Bureau; Bandung Institute of Ecology, Indonesia; Bogor Agricultural University, Indonesia; Bureau of Forest Development, Philippines; Chiang Mai University, Thailand; The Ford Foundation Regional Office for Southeast Asia, Jakarta; Forest Research Institute, Malaysia; International Union for the Conservancy of Nature; Khon Kaen University, Thailand; Ministry of Human Settlements, Philippines; Ministry of Urban and Rural Construction and Environmental Protection, China; Office of Forests, Papua New Guinea; Royal Forest Department, Thailand; Southeast Asia University Agroecosystem Network; UNESCO Man and Biosphere Program; United Nations Environment Program; United Nations University; U.S. Agency for International Development; U.S. Forest Service; University of Hawaii Center for Asian and Pacific Studies; University of Hawaii College of Tropical Agriculture and Human Resources; University of Technology, Papua New Guinea; University of the Philippines at Los Banos.

#### Program Area 3. Marine Environment and Extended Maritime Jurisdictions

Within the last decade, many of the world's less-developed nations have extended national jurisdiction to 200 nautical miles or more from shore. This world sea enclosure movement is transferring most of the present "high seas" and most known ocean resources and related activities to the control of individual states. The historic United Nations Conference on the Law of the Sea, under way since 1973, has drawn to a close, and the resulting Convention on the Law of the Sea serves as a framework within which nations may carry out their ocean management rights and responsibilities.

National management policies for these zones of extended jurisdiction need to be developed and implemented. The mosaic of national policies on



transnational resources and activities creates possibilities for conflict as well as opportunities for cooperation. For example, all the coastal nations of the South China Sea except China have formally and unilaterally extended their maritime jurisdictions, leaving almost no marine area left unclaimed, and many areas where claims overlap. For these less-developed nations, the new resources, activities, and concomitant responsibilities create new challenges and opportunities for national development.

Research focuses on the marine interests and activities of nations in the East-West Center region. By serving as an independent informal forum for the discussion of these interests, this program area seeks to contribute to a broader understanding of issues and to development of management strategies. The present geographic focus is on the South China Sea, and the principal substantive focus is on fishing, shipping, hydrocarbon exploitation, and environmental protection. Each area is examined with respect to three fundamental components of transnational ocean management issues: the natural environment, jurisdictional regimes, and national interest in other spheres.

**Project Team:**

Research Associates Mark J. Valencia (coordinator), Joseph Morgan, George Kent and James Marsh; Adjunct Research Associates C.Y. Li and Everett Wingert.

**Cooperating Institutions:**

Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas (CCOP); ASEAN Council on Petroleum; Dalhousie Ocean Studies Programme; University of Hawaii; Ministry of Natural Resources, Philippines; Ministry of Development Supervision and Environment, Indonesia.

**Program Area 4. Environmental Dimensions of Energy Policies**

Concern about environmental quality has become a factor in the shaping of energy policies in many countries. At the same time, increases in oil prices and concern about its availability are causing most nations in Asia and the Pacific, as well as the United States, to aim for greater energy self-sufficiency. A country's desire for self-sufficiency in energy usually requires consideration of alternatives to imported oil. Large-scale use of other energy sources such as coal or nuclear power could necessitate relaxation or revision of environmental goals. The major objective of this program area is to provide analyses for policymakers who need to ensure acceptable environmental quality while meeting the energy needs of their societies at reasonable cost.

Coal is considered by many countries in the region as a "transition fuel" that will take them from the present petroleum-based economies to renewable technologies that may emerge in the decades ahead. Plans for increased production, shipment, and use of coal and assessment of the environmental implications of such increased coal use are being examined. Primary emphasis has been on siting of coal-fired power plants and on infrastructure and environmental aspects of coal transport.

Another research area is concerned with offshore exploration for oil and gas, which is increasing at rapid rates in many parts of Asia and the Pacific; yet few countries have developed environmental guidelines for exploration or production offshore, for moving oil to shore, or for contingency plans in case of an offshore oil spill. The research objective has been to prepare two sets of environmental planning guidelines: general guidelines for use by policymakers and others; and technical guidelines for planners and practitioners. Dissemination workshops have been held in Asia and the United States.

Finally, research was initiated on the management of radioactive wastes. The emphasis was on the assessment of environmental risks posed by the disposal of nuclear wastes in the ocean, and an evaluation of the potential dangers with respect to the principles of international environmental law.

#### Project Team:

Research Associates Toufiq Siddiqi (coordinator), Richard Carpenter, John Dixon, Napoleon Vergara; Adjunct Research Associates Wesley Foell, John Gilbert; Long-Term Fellows Richard Tobin and Herbert Webber; Research Interns Sharon Hoffman and James Schweithelm.

#### Cooperating Institutions:

Appalachian Regional Commission; Australian National University; Commonwealth Department of Home Affairs and the Environment, Australia; Department of Environment, India; Department of Mines and Energy, Indonesia; Electric Power Development Company, Japan; Electricity Generating Authority of Thailand; Environment Canada; Korean Institute of Energy and Resources; National Environment Protection Council, Philippines; National Oceanographic and Atmospheric Administration, U.S.A.; Province of British Columbia, Canada; Southern States Energy Board, U.S.A.; U.S. Department of Commerce; University of California - Berkeley; University of Hawaii; University of Wisconsin.



## ENVIRONMENT AND POLICY INSTITUTE

### Staff

#### Director

William H. Matthews, PhD Socio-Technological Engineering, Massachusetts Institute of Technology, 1970. Came to the Center in October 1977 to establish the Environment and Policy Institute. He was formerly a senior research scholar at the Austrian-based International Institute for Applied Systems Analysis. Prior to this he was Arthur D. Little associate professor of environmental sciences and engineering at Massachusetts Institute of Technology and visiting faculty member in environmental management at the Center for Education in International Management in Geneva, Switzerland. He has had close association with the United Nations Environment Programme and other international and national agencies.

#### Research Associates

Richard A. Carpenter, MA Organic Chemistry, University of Missouri, 1949. Came to EAPI from the National Academy of Sciences/National Research Council where he was executive director of the Commission on Natural Resources. Prior to establishing that office in 1972, was Chief of the Environmental Policy Division of the Congressional Research Service, Library of Congress. Has contributed to the passage and implementation of legislation including the National Environmental Policy Act and has been responsible for a variety of studies interpreting and transferring technical information for decision making. Began his career as a chemist and has obtained patents in the field.

John A. Dixon, PhD Economics, Harvard University, 1977. BA, Economics and Oriental Languages (Chinese), University of California at Berkeley, 1968. Previously worked for the Ford Foundation in Indonesia as agriculture program economist where his main research interests were food policy analysis and natural resource management. At EAPI he is involved with environmental applications of benefit-cost analysis as well as economic aspects of the coal-fuel cycle.

Lawrence S. Hamilton, PhD University of Michigan, School of Natural Resources, 1963. Previously extension forester and then professor of forestry and conservation at Cornell University's Department of Natural Resources; also visiting professor at several Asian-Pacific universities. Has done research on tropical forest land assessment and classification for planning sustainable uses.

Fred H. Hubbard, PhD Natural Resources, University of Michigan, 1963. Has been involved in environmental and/or development projects in various countries in Asia and Africa. His interests are primarily in natural resources development programs and their environmental implications for developing water related and land resources.

George Kent, PhD Communications, University of Illinois, 1965; MS, Communications, Boston University, 1961; Bachelor of Electrical

Engineering, Rensselaer Polytechnic Institute, 1960. Joint appointment with the University of Hawaii, where he is professor of political science. Has conducted research in communications, international relations, and marine resource management.

James Marsh, PhD Economics, University of Chicago, 1972; MA Economics, University of Chicago, 1967. Joint appointment with the University of Hawaii where he is Chairman of the Department of Business Economics and Quantitative Methods, College of Business Administration. He is a specialist in international, natural resource, and environmental economics. Has conducted research on deep ocean mining and ocean thermal energy conversion.

Gerald G. Marten, PhD Zoology, University of California at Berkeley, 1970. Has conducted research on systems ecology and renewable natural resources management in Canada, East Africa, and Mexico. Most recently was senior research scientist at the Instituto de Investigaciones Sobre Recursos Bioticos in Veracruz, where he headed an interdisciplinary team studying the environmental dimensions of land use planning in the Mexican highlands and tropics. Earlier research included fisheries management and mathematical modeling of lake and forest ecosystems.

Joseph R. Morgan, PhD Geography, University of Hawaii, 1978, Captain U.S.N. (Ret.). Joint appointment with the University of Hawaii where he is assistant professor of geography. Formerly chief of mapping, charting, geodesy branch on staff of commander in chief, Pacific. Has taught at the U.S. Naval Academy. Research and publication in oceanography and geography.

A. Terry Rambo, PhD Anthropology, University of Hawaii, 1972. Was visiting professor, Dalat University Graduate School of Politics and Economics, Saigon, 1973-75, and lecturer in anthropology and human ecology at the University of Malaya in Kuala Lumpur, 1975-80. Served as a continuing consultant on resources and environment to the Ford Foundation with responsibility for monitoring research on human ecology in Malaysia and neighboring countries. His major current research concern is with human interactions with tropical agroecosystems. Has done field research on the environmental relations of tropical rural societies in Vietnam, Malaysia, and Belize.

Toufiq A. Siddiqi, PhD Experimental Nuclear Physics, University of Frankfurt-am-Main, West Germany, 1966; BA and MA, University of Cambridge, England; primary and secondary education in India and Pakistan. Was associate professor of public and environmental affairs at Indiana University prior to joining EAPI. Has written extensively and developed courses in the area of science, technology, and public policy; energy and the environment, technology assessment; and environmental systems.

Mark J. Valencia, PhD Oceanography, University of Hawaii, 1972; MA Geology, University of Texas; Master of Marine Affairs, University of Rhode Island. Served for two years as a lecturer (assistant professor) with the Universiti Sains Malaysia in Penang, followed by a year with the United Nations Development Programme Regional Project on Offshore Prospecting in



Bangkok, Thailand. Professional activities have concentrated on regional marine policy issues, including problems of national and transnational marine pollution in Southeast Asia.

Napoleon T. Vergara, Master of Forestry, State University of New York, 1960. Was senior lecturer in forestry management and economics, Department of Forestry, University of Technology, in Lae, Papua New Guinea. Was chairman of the Departments of Forest Resources Management and Forestry Extension, University of the Philippines, Los Banos, and project leader, Kaingin Research Project, jointly sponsored by the University of the Philippines and the National Science Development Board. Has served as a consultant on forestry issues in both government and industry.

Somluckrat Wattanavitukul, PhD Economics, University of Washington, Seattle; BA and MA Economics, Thammasat University, Bangkok, Thailand. She was Assistant Professor, Faculty of Economics, Thammasat University, Bangkok for five years and also served as economist with the Economic Analysis Division of the United States Operation Mission of the U.S. Agency for International Development in Thailand for two years. She has conducted research and published articles on several economic issues.

#### Adjunct Research Associates

Salvatore Comitini, PhD Economics, University of Washington. Currently holds joint appointment as associate professor in the Department of Economics and the Department of Agricultural and Resource Economics at the University of Hawaii.

Samir A. El-Swaify, PhD Soil Science, University of California, Davis, BSc Agricultural Science, Alexandria University, Egypt. Professor and soil scientist, Department of Agronomy and Soil Science, College of Tropical Agriculture and Human Resources, University of Hawaii.

Wesley Foell, PhD Nuclear Engineering, Stanford University, Director, Energy System and Policy Research Group, University of Wisconsin.

Stephen Lau, PhD Hydraulics and Sanitary Engineering, University of California at Berkeley. Professor of civil engineering and director of Water Resources Research Center, University of Hawaii.

C.Y. Li, PhD Economic Geology, Columbia University. Senior consultant to the United Nations' Department of Technical Cooperation and Development.

Yoshiaki Matsuda, PhD Agricultural Economics, University of Georgia, 1976. Associate Professor in International Marine Policy, Kagoshima University, Japan.

Dieter Mueller-Dombois, PhD Forestry, University of British Columbia. Professor of botany, University of Hawaii.

Joseph P. O'Reilly, PhD Psychology, University of Hawaii, Associate Professor, Department of Human Resources, and research coordinator for human resources development for the University of Hawaii College of Tropical Agriculture and Human Resources.

Jon J.D. Van Dyke, Harvard Law School. Currently law of the sea professor, University of Hawaii, and project director of Sea Grant investigation into Pacific jurisdictional issues.

Everett A. Wingert, PhD Cartography, University of Washington. Associate professor of Geography, University of Hawaii.

Hiroshi Yamauchi, PhD Natural Resources Economics, University of California at Berkeley, 1968. Professor, Water Resources Research Center, University of Hawaii.

#### Professional/Administrative

Sheryl R. Bryson, Publications Officer. MS Journalism and Mass Communication, Iowa State University; BA Journalism, Drake University. Former editor for Publications and Information office, College of Tropical Agriculture and Human Resources, University of Hawaii; and associate editor for Iowa Agriculture and Home Economics Experiment Station, Iowa State University. Has been a journalism instructor, book editor, assistant editor of a trade journal, newspaper reporter, and wire service reporter.

Marian Inouye, Library Technician. Has been with the East-West Center for eight years and was formerly a library assistant for the Hawaii State Library System.

Shirley S. Kidani, Fiscal Assistant. BS Human Development, University of Hawaii, 1973. Has been with the East-West Center since 1975. Previously worked with Communication Institute.

Nancy Kilonsky, Assistant Program Services Officer. MPH Public Health, University of Hawaii. Obtained her undergraduate degree in History from the University of Hawaii. Prior to joining the Center, worked as a research coordinator for the Lieutenant Governor's Office, State of Hawaii, and secretary for the Health Manpower Planning Project, University of Hawaii, School of Public Health.

Fannie Lee Kai, Administrative Assistant for Participant and Activity Services. Has served the Center since 1962 in various administrative capacities. In 1977, received the Baron Y. Goto Award for "Intercultural Activity in Everyday Life" for her significant contributions to fostering better relations among people of East and West through such activity.

Rochelle A. McArthur, Program Services Officer. MA Political Science, University of Hawaii. Obtained her undergraduate degree in Foreign Service from the University of the Philippines. Prior to joining the Center, worked with several University of Hawaii units -- the Hawaii Environmental Simulation Laboratory, the Department of Information and Computer Sciences, and the Social Science Research Institute's PALM (Pacific Area Languages Materials) Development Center.



## PUBLICATIONS AND OTHER PRODUCTS

### BOOKS

Carpenter, Richard A., editor, Assessing Tropical Forest Lands: Their Suitability for Sustainable Uses. Bray, Co. Wicklow, Ireland: Tycooly International Ltd., 1982. 337 pp. \$55 hardcover, \$38.75 softcover, \$34 developing country.

Gilbert, John T.E., editor, Environmental Planning Guidelines for Offshore Oil and Gas Development. Honolulu: The University Press of Hawaii, 1982. 64 pp. \$6.

Valencia, Mark J., editor, The South China Sea: Hydrocarbon Potential and Possibilities of Joint Development. Oxford: Pergamon Press, 1981. Hardcover edition of special issue of Energy, Vol. 6, No. 1, pp. 1059-1362. \$30.

Veraga, Napoleon T., New Directions in Agroforestry: The Potential of Tropical Legume Trees. June 1982.

Part One - Improving Agroforestry in the Asia-Pacific Tropics.  
Prepared by a Working Group on Agroforestry, EWEAPI.  
52 pp.

Part Two - Economic Evaluation of Agroforestry Projects. ii, 23 pp.  
Initial Tasks in Agroforestry Projects. ii, 9 pp.  
Selection of Legume Trees for Agroforestry. iii, 27 pp.  
Sustained Outputs from Legume-Tree-Based Agroforestry Systems. ii, 36 pp.

### SERIAL PUBLICATIONS

#### Research Reports

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#### Students

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## Watershed Forest Influences in the Tropics

### Participants

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### Agroforestry & Fuelwood Production

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#### Agroforestry Training Seminar/Rural Development

##### Participants

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## Agroforestry Training Seminar for Agricultural Extension

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#### Ecosystem Model for Development

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#### Forest Research Directors Workshop

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#### Human Agroecosystem Interaction Workshop

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#### Human Agroecosystems in the Tropics

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#### MARINE ENVIRONMENT AND EXTENDED MARITIME JURISDICTIONS

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### 3rd Asian-American Conference on Environment

#### Participants

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#### ENVIRONMENTAL DIMENSIONS OF ENERGY POLICIES

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#### Increased Use of Coal in Asia/Pacific

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Jong Sok Kim, Director, Air Pollution Control Division, Office of the Environment, Seoul, Republic of Korea

Don MacRae, Assistant Secretary, Environment Studie Branch, Department of Home Affairs & Environment, Canberra, Australia

John Neate, Energy Policy Analyst, EPS Environment Canada, Ottawa, Ontario, Canada

Shuzo Nishioka, Chief, Environment Planning Section, Japan Environment Agency, Ibaraki, Japan

Tadao Ohtsuka, Director, Plant Siting & Environment Research, Central Research Institute, Electric Power Industry, Tokyo, Japan

Heo Seung Ow, Assistant Manager of Environment Department, Korean Electric Company, Seoul, Republic of Korea

Eric M. Preston, Project Director, Covallis Environment Lab, U.S. Environmental Protection Agency, Corvallis, Oregon

Jitendra Kumar Sharma, Management Consultant, Ministry of Energy, New Delhi, India

Basil Sharp, Joint Centre for Environmental Sciences, University of Canterbury, Christchurch, New Zealand

Kenneth Cecil Shot, Regional Manager (Hunter), NSW Department of Environment & Planning, New Castle, Australia

David Ingle Smith, Senior Fellow, Center for Research & Environment Study, Australian National University, Canberra, Australia



John Tilley, Executive Officer, Department of National Development & Energy, Canberra, Australia

S. L. Tobing, Head of Mineral Research & Development Division, PPTM, Bandung, Indonesia

Peter Waterman, Research Fellow, Center for Research & Environment Study, Australian National University, Canberra, Australia

C. Graeme Willcox, Director of Environment Systems, Department of Home Affairs & Environment, Canberra, Australia

Ye Yisen, Senior Engineer, Environmental Protection Office, State Council, Beijing, China

#### Offshore Oil & Gas Dissemination

##### Participants

Jerry H. Galt, Oceanographer, MASS OMPA, NOAA, Seattle, Washington

H. Gary Greene, Geologist, U.S. Geological Survey, Menlo Park, California

Ann Hayward Rooney-Char, Staff, Virginia Institute of Marine Science, College of William & Mary, Gloucester Point, Virginia

Regina M. Santerre, Unspecified, Sri Lanka

#### Siting of Coal-Fired Power Plants

##### Participants

Gonzalo A. Bantugan, Head Environmental Management Office, National Power Corporation, Manila, Philippines

S. K. Bose, Adviser, Coal India Ltd., Calcutta, India

Wayne Draper, Chief, Power Generation & Energy Division, Environment Canada, Ottawa, Canada

Melchor T. Gadi, Director, Management Staff, National Environmental Protection Council, Quezon City, Philippines

Alan Gilpin, Commissioner of Inquiry, Office of Commissioners of Inquiry, Sydney NSW, Australia

William M. Greenslade, Regional Manager, Dames and Moore, Honolulu, Hawaii

Istigno, Staff (LMK-PLN), Electric Power Research Centre, Jakarta, Selatan, Indonesia

Lester Lave, Senior Research Fellow, The Brookings Institution, Washington, D.C.

In Young Lee, Staff Member, Argonne National Laboratory, Argonne, Illinois

Andrini Martono, Chief, Environmental Section, Electric Power Research Center, Jakarta, Indonesia

Toshiichi Okita, Professor, Faculty of Engineering, Hokkaido University, Sapporo, Japan

Ma. Resurreccion L. Petel, Environmental Management Specialist, National Power Corporation, Manila, Philippines

James C. Randolph, Director, Environmental Program, School of Public Health, University of Indiana, Bloomington, Indiana

#### Transporting Coal from Mine to Market

##### Participants

Marioo C. Berbano, Officer-in-Charge, Environmental Unit, Ministry of Energy, Manila, Philippines

Simon Alexander Carr, Staff, Planning Division, Ministry of Energy, Wellington, New Zealand

Handoyo, Staff, PN Batubara (Coal Mining State Co.), Jakarta, Indonesia

J. F. Horton, Staff, Research & Development Division, Department of National Development and Energy, Canberra, Australia

Phanu Kritiporn, Head, Environmental Evaluation Section, Electricity Generating Authority, Nonthaburi, Thailand

Hoesung Lee, Director, Policy Analysis Department, Korea Institute of Energy & Resources, Seoul, Republic of Korea

Ambyo Mangunwidjaya, Advisor to the Board of Directors, Coal State Mine Enterprise, Bandung, Indonesia

P. J. Manhit, Coal Logistics Manager, PNOG Coal Corporation, Ministry of Energy, Manila, Philippines

Shigeru Mase, Assistant Director, International Energy Affairs Division, Ministry of International Trade, Tokyo, Japan

Michael Moignard, First Secretary (Commercial), Embassy of Australia, Washington, D.C.

John Neate, Energy Policy Analyst, Environment Canada, Ottawa, Ontario, Canada



Barry David Solomon, Visiting Assistant Professor, Department of Geology & Geography, West Virginia University, Morgantown, West Virginia

Harsono Taroepratjeka, Secretary for Development, Bandung Institute of Technology, Bandung, Indonesia

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C. Graeme Willcox, Director, Environment Systems, Department of Home Affairs & Environment, Canberra, Australia

Tokuhiya Yoshida, Staff, Environmental Impact Review Division, Environment Agency, Tokyo, Japan

Suegil Youn, Director General of Petroleum Bureau, Ministry of Energy & Resources, Seoul, Republic of Korea

Jalaluddin Zainuddin, Deputy General Manager (Development Planning), National Electricity Board, Kuala Lumpur, Malaysia

# Population Institute

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Lee-Jay Cho, Director

The 1980-81 censuses have given us a wealth of new population data that reveal a small but significantly changed picture of our world. There are now 4.5 billion people on this earth. Annual world population growth has slowed from 2.0 percent in the first half of the 1970s to 1.7 percent in the second. Earlier estimates of a 6.2 billion population by the year 2000 have been revised to 6.1 billion, and the United Nations has lowered its projection of peak world population to 10.5 billion, which would be reached in the year 2110.

These revised estimates are viewed by some as confirmation of an irreversible downward trend in the population growth rate, but they tell only part of the story. The projections implicitly assume that food, energy, and natural resources will continue to be available in sufficient quantities. But the unhappy fact is that the past decade has seen a steady decline in the growth rate of per capita production of fish, beef, and grain. Will food production keep up with increasing population? Will we be able to feed 6.1 billion people in 2000, or 10.5 billion in 2110? Will our energy supplies and natural resources be able to meet the demands of additional billions of consumers? Will governments be able to maintain their services in the face of this growth?

The answers to these questions depend in part on the results of population research, and the East-West Population Institute conducts research in a geographical area that contains nearly two-thirds of the people of the world. Population study includes a chain of disciplines that begins with the collection and analysis of the data that are needed to monitor changes in population characteristics. This is linked to the development of the models that provide a clearer picture of the interactions and causal relationships of the disparate elements influencing population, and linked again to the formation of recommendations for programs and policies to deal with population change. The chain is ultimately linked back on itself as the data are collected and analyzed anew to determine the effects of the programs and policies. To determine what is happening in the East-West Center region, why it is happening, and whether or how to affect events, sufficient reliable data are needed that can be compared across cultures and national boundaries. In addition, analytic techniques are needed to fill the gaps in the data and to generate reasonable estimates of characteristics of populations, trends, and rates of change. We must also determine how attitudes toward population size change as the stresses of population growth increase. PI examines how governments, which institute the programs and policies, respond to the stresses of population growth, and how individuals and families, who implement the programs, respond.

Population Institute research focuses on solving specific problems in the complex linkages of population growth, economic development, resources, and social change. The Institute brings together policy-makers and researchers, cooperating government statistical offices, other population organizations, and universities throughout Asia, the Pacific, and the



United States. Fellows, professional associates, research interns, and students participate in research, workshops, seminars, and conferences.

### Highlights of FY82

The Institute began important program developments involving China and India during FY82, had three conferences focused on population and development, and completed a major contribution to the demographic project of the National Academy of Science.

A four-day seminar on population education and research for members of a delegation from the Chinese Academy of Social Sciences was conducted, at their request. One member of that delegation returned later in the year as a research fellow joining a research intern from Sichuan University. A second fellow also arrived to begin work on analysis of the effectiveness and long-range projections of the impact of China's one-child family policy. Two interns supported by the United Nations Fund for Population Activities also began work, one on population library organization and the other on demographic study and research. A team of Institute staff members began preparations to provide intensive instruction for the faculty of major universities throughout China at Sichuan University with funds provided by a grant from International Development Research Centre (IDRC) to defray the cost of travel and subsistence for Institute staff.

As a consequence of preliminary discussions in FY81, plans were completed during this year for a major conference in New Delhi to be held early in FY83, cosponsored with the Office of the Registrar-General and the Ministry of Health and Family Welfare of India. Agenda topics provide for a thorough review of population change in South Asia during the decade of the 1970's with the participation of India's neighbors and experts from the region and the United States.

The Institute cosponsored with the School of Public Health of the University of Hawaii and the East-West Communication Institute a Conference on Communication for Health and Family Welfare at the request of the Ministry of Health of India. Members of the staff met subsequently in New Delhi to plan follow-up training programs for health and family planning communicators.

Contributions to the National Academy of Sciences Panel on Fertility Determinants included authorship by PI staff of three chapters in the state-of-the-art summary of knowledge, one country study (Korea), and one comparative study.

The Institute sponsored or cosponsored ten workshops and conferences including three on population and development.

A major activity in FY82 was the conference on population, resources, and development held September 13-17, 1982, at the Center and September 18-21, 1982, in Japan and Korea. Twenty-one current members of parliament from Indonesia, the Philippines, Singapore, Thailand, and Malaysia, as well as thirty-one Center staff members or invited technical experts took part in

the meeting. Lead presentations on such topics as development and population policy and population growth and unequal access to land resources were made by various resource persons. Afterwards, active exchange on the policy implications of such issues took place among meeting participants. The Institute was pleased to take advantage of the opportunity to directly involve ASEAN parliamentarians in its program, and to share program leadership and costs of the program with colleagues from the ASEAN Population Coordination Unit.

The Institute issued more than 37 publications: eight monographs in the Paper Series, four issues of the quarterly Asian and Pacific Census Forum, nine Working Papers reporting on research in progress, thirteen reprints of articles published in journals or books, a book on migration decision-making, a collection of papers on unmet contraceptive needs in developing countries, and a summary report on the Twelfth Summer Seminar. In addition, thirteen articles by Institute staff and participants were published in journals or books. Numerous publications, including several books, were in preparation at year's end.

During the year the Resource Materials Collection acquired fourteen hundred new books and documents and held training programs for two interns from the Thai Population Clearinghouse and Information Center and one intern from the China Population Information Center. The Resource Materials Specialist served as consultant for the United Nations Population Information Network, and served as President of the Association for Population Family Planning Libraries and Information Centers, International.

Eighty-nine people participated in the Thirteenth Summer Seminar in Population held at the Center and in Malaysia under the cosponsorship of the National Family Planning Board. During the Honolulu portion of the seminar, participants concentrated on four areas of population research: (1) population distribution policies and development planning; (2) determinants of contraceptive use; (3) human populations and agroecosystems in the humid tropics; and (4) computer editing for censuses and surveys. Held annually since 1970, the summer seminar has provided an opportunity for approximately 900 professionals in population-related fields to share and expand their knowledge of population studies and demographic techniques.

## PROGRAM AREAS

### General

FY82 is the last year in which program activities will be structured in five projects. For the past several years the projects have been: (1) development and application of techniques, (2) analysis of population growth, (3) causes and consequences of population change, (4) urbanization, migration, and development, and (5) policy and program analysis. Much time and attention was given during FY82 to a more accurate description of the shifting focus of program activities and research. The International Advisory Panel, which met at the Center in January 1982, reviewed and endorsed the following revised program areas: (1) Demographic Trends and



Estimation; (2) Fertility and Family in Transition; (3) Economic Development and Human Resources; and (4) Urbanization, Migration and Development.

Regardless of the planned structural changes for descriptive purposes, the historical focus of the work of the Institute will continue. The plan to drop the separate program area titled Population Policy and Programs is a response to the concern that all areas are equally relevant to policy and that policy concerns should be integrated throughout the research program.

#### DEVELOPMENT AND APPLICATION OF TECHNIQUES FOR CENSUSES, SURVEYS, AND VITAL REGISTRATION

Much of the information collected through censuses, demographic surveys, and vital registration systems is incomplete, inaccurate, or both. In developing countries, for example, fertility surveys may indicate the existence of declines in birth rates that have not actually occurred but rather stem from errors in the reporting of women's ages. The dimensions of such errors must be known if costly mistakes in economic and social planning are to be avoided. Even after the quality of raw data has been evaluated, much information contained in the data may still be implicit and must be drawn out through analysis.

The purpose of this program area is to produce and refine the basic demographic data needed to make social decisions on population matters and to train staff of other agencies to do this work. Much of the work is published in our Asian and Pacific Census Forum, which has wide distribution to statistical and research agencies. In addition, the Institute sponsors training programs like the one for statistical employees of newly independent Pacific Island nations.

Project Coordinator: Griffith M. Feeney

The continuing and principal cooperating institutions under this project are national census and statistical offices of Asia and the Pacific.

#### ANALYSIS OF POPULATION CHANGE

The expanded body of improved population data developed in the above program area, together with recent census and survey data, is used in this program area to analyze trends and differentials in the basic demographic variables of population growth, fertility, mortality, migration, and population composition. The analysis may either encompass the full demographic situation of a country or territory in the East-West Center region or focus on particularly important trends and differentials within countries or among countries. Current activities include the preparation of demographic situation reports for several countries each year; work related to second-stage analysis of data from the World Fertility Survey, an international research program involving 55 countries (12 of them in Asia and the Pacific) that has conducted scientifically designed fertility surveys that are nationally representative and internationally comparable;

comparative analyses of trends and differentials in childspacing in Pakistan, the Philippines, the Republic of Korea, Sri Lanka, Thailand, and other countries; comparative analyses of marriage behavior; cooperative fertility research based on data from the Indonesian Intercensal Survey and on an ongoing survey of selected provinces of the Philippines; and evaluation of the quality of census data from countries in the region.

The Institute Paper Series published three major country reports on India, Nepal, and the Philippines, and three articles published in outside journals were reprinted for further distribution. A number of interns received training during the year.

Project Coordinator: James A. Palmore, Jr.

Cooperating Institutions: work with Princeton University staff was extensive during this period on secondary-analysis of World Fertility Survey data.

#### CAUSES AND CONSEQUENCES OF DEMOGRAPHIC BEHAVIOR

The East-West Center region contains over two-thirds of the world's population, and the Asian portion of it is the most densely populated and among the poorest economically of the world's major regions. Moreover, in just a few years the region's population is expected to increase by an amount greater than the combined 1970 population of North and South America. This program area focuses on three policy questions related to this growth: (1) What are the causes of these dramatic population changes? (2) Among these determining influences, which ones may be used as effective policy levers to modify future population changes in desirable ways? And, (3) what are the likely consequences of anticipated population changes--for nations and for the relationships among them, for local communities, for families, and for individuals? The topics embraced by these questions involve societies at many levels, and their study must draw upon a variety of social science skills. An integrating conceptual framework for identifying priority topics for study is provided by the theory of demographic transition.

The analysis of factors influencing human fertility is a major component of the activities. Population programs have been introduced on a large scale in many countries of Asia, and fertility is declining in many countries. But these welcome fertility changes pose new questions for policymakers. It is not clearly understood, for example, why fertility is declining in the way that it is, because many social and economic changes have taken place concurrently with the introduction of population programs. How much decline is due to the programs, and how much to other processes of economic or social change? Why, in some instances, is family planning so slow to take root? What are the indigenous social, cultural, and economic institutions supporting continued high fertility, or affecting fertility declines?

Because societies are organic--composed of interdependent parts--the onset of fertility decline raises the expectation of major adjustments and



ramifications throughout the societies in question: changes in family organization, residential patterns, child-raising, and socialization patterns. Many of the most obvious effects of fertility decline are certainly desirable (for example, reduced population pressure on rural resources) but some involve institutional, political, or personal stresses. The goal of this program area is to conduct research now in order to have useful answers to questions as they arise.

Three conferences were held, including one in Tokyo on Population and Economic Development, concluding phase one of a UNFPA funded comparative study with co-investigators in Indonesia, Thailand, Korea, and Japan, a meeting in Manila of the Asian Marriage Survey team and a conference cosponsored with the School of Public Health of the University of Hawaii for Government of India Ministry of Health Officials on Communication for Health and Family Welfare. Research activity produced a total of seventeen publications.

Project Coordinator: Peter C. Smith

Principal cooperating agencies are: Nihon University, Tokyo; University of Indonesia; University of the Philippines; National Statistical Office, Bangkok; Korean Development Institute; Chiang Mai University, Thailand.

#### URBANIZATION, MIGRATION AND DEVELOPMENT

Urbanization and the changing patterns of population movement that accompany modernization are major policy concerns in many Asia and Pacific nations. The rapid growth of cities poses difficult problems of urban management, yet a dynamic urban economy may require distinctive contributions of a migrant work force. In rural areas, problems of unemployment and underemployment may be relieved by out-migration, but selective loss of the younger and more educated may retard rural development efforts. Policymakers faced with such dilemmas need better knowledge about the nature and scale of population movement and its underlying causes. This program area seeks to produce such knowledge through research and training activities in two substantive areas: urbanization and economic development, and migration processes.

Urbanization trends in the region and problems of urban management were reviewed at a major conference on Urbanization and National Development. A report on the findings and recommendations of that conference was disseminated. Two large-scale field surveys were conducted to analyze economic and social adaptation of Ilocano migrants in Manila and Honolulu. In connection with this National Institutes of Health-funded study, two research planning workshops were also held.

Completed publications during the year included a global analysis of urbanization prospects; four comparative studies focusing on migration and labor markets, particularly for women, in Asian countries; five area studies of the relationships between socioeconomic development and population movement (Indonesia, Sri Lanka, Philippines, Thailand, and Hawaii); two studies on international migration of Filipinos to the United

States and Saudi Arabia; and four review papers examining theoretical and policy issues related to population movement. In all, sixteen publications were produced on various aspects of urbanization, migration and development.

Project Coordinator: James T. Fawcett

Principal cooperating institutions are the Population Center Foundation and Ateneo de Manila University, Philippines; Universiti Sains, Malaysia; Pennsylvania State University; University of Chicago; UN Economic and Social Commission for Asia and the Pacific; South Pacific Commission.

#### POLICY AND PROGRAM ANALYSIS

As nations become aware of their population-related problems, they adopt explicit programs and policy initiatives to influence the demographic behavior of their populations. For the formulation of effective, efficient, and acceptable policies and programs in the future, there is a need for a better understanding of existing policies and programs, and of the demographic processes such measures are intended to influence. The objectives of this program area are to assess the role of population policies and programs in demographic and socioeconomic change; and to promote closer cooperation and communication between policymakers and population researchers in order to improve the usefulness of demographic research. Current activities focus on the evaluation of a new delivery system of planning services in Cheju Province, Republic of Korea; the assessment of the impact of family planning programs on contraceptive behavior and fertility change in various countries; and analysis of the unmet need for family planning services.

Two meetings during the year were designed to communicate understanding of population dynamics in relation to resources and development. One was a seminar organized for a delegation of economists from the Chinese Academy of Social Science, Beijing, and the other was a conference for parliamentarians from Indonesia, Malaysia, Philippines, Singapore and Thailand at the request of the ASEAN committee. Four publications were generated by the project.

Project Coordinator: Chai Bin Park

Cooperating institutions: Ministry of Health, Republic of Korea; ASEAN Secretariate.



## POPULATION INSTITUTE

### Staff

#### Director

Lee-Jay Cho, PhD Sociology, University of Chicago, 1965. Received undergraduate education in political science at Kookmin College in Seoul. Earned master's degree in public administration at George Washington University, Washington, D.C. In addition to being Institute Director and Research Associate, is Adjunct Professor of Sociology at University of Hawaii. Member of the Committee on Population and Demography, National Academy of Sciences; the International Statistical Institute, The Hague-Voorburg. Research interests: demographic estimation, demographic transition, development and population policy.

#### Assistant Director for Graduate Study/Research Associate

Robert D. Retherford, PhD Sociology, University of California at Berkeley, 1970. Holds affiliate graduate faculty appointment in Sociology, University of Hawaii. On leave from the East-West Center, 1970-71, as Post-doctoral Fellow at Institut National d'Etudes Demographiques in Paris. During a second leave in 1971-72 served as consultant to Economic Commission for Asia and the Far East in Bangkok, Thailand. Was Assistant Director for Professional Development during 1974-78. Appointed as Assistant Director for Graduate Study February 1, 1980. Research interests: demographic estimation, demographic transition theory, fertility and family planning, manpower and human resources.

#### Assistant Director for Professional Education/Research Associate

Fred Arnold, PhD Economics, University of Michigan, 1972. A graduate of Harvard University and University of Michigan. Joined Institute in 1971; was Visiting Demographer at National Statistical Office, Bangkok, Thailand, 1974-76; was Research Director of U.S. House of Representatives Select Committee on Population in 1978. Holds affiliate graduate faculty appointment in Population Studies, University of Hawaii. Research interests: value and cost of children, internal and international migration, sex preference, survey methods, Thailand. Resigned as Assistant Director for Professional Education effective July 15, 1982.

Linda G. Martin, PhD Economics, Princeton University, 1978. Received AB in mathematics from Radcliffe College and master's degree in public affairs from the Woodrow Wilson School, Princeton University. Prior to joining the Institute in February, 1979, was Staff Research Director of the U.S. House of Representatives Select Committee on Population. Holds joint appointment as Associate Professor of Economics, University of Hawaii. Appointed as Assistant Director for Professional Education July 16, 1982. Research interests: labor force analysis, economics of household formation, rural development and population change, Japan.

### Research Associates

Burnham Campbell, PhD Economics, Stanford University, 1961. Adjunct Research Associate, holding appointment as Professor of Economics and Director of the Center for Development Studies of the Social Science Research Institute, University of Hawaii. Lived for two years in Thailand, working for the United Nations and teaching at Thammasat University. Research interests: collaborative project with researchers in Thailand, Korea, Indonesia, the Philippines, Japan, Malaysia and Singapore on demographic change and the needs and demands for housing.

Murray Chapman, PhD Geography, University of Washington, 1970. A New Zealander educated at the University of Auckland, Victoria University of Wellington, Cornell University and University of Washington. Joined the Institute in September 1969, and holds joint appointment at University of Hawaii as Professor of Geography. Previously taught at University of Auckland and Victoria University in New Zealand, and at the University of Washington. On leave of absence, August-December 1979, at Australian National University. Research interests: population movement, field methods, Melanesia.

James T. Fawcett, PhD Social Psychology, University of California at Berkeley, 1965. Joined Institute in August, 1971, after serving with the Population Council for six years, including four years as Representative in Thailand. Became Assistant Director for Graduate Study in September, 1972, and held joint appointment as Associate Professor of Psychology at the University of Hawaii until 1974. Was the Population Council's Senior Representative for East and Southeast Asia in Singapore from June, 1974, until he rejoined Institute in May, 1978. Currently holds appointment as affiliate graduate faculty in Psychology, University of Hawaii. Research interests: value and cost of children, motivation for migration and migrant adaptation, East and Southeast Asia.

Griffith M. Feeney, PhD Demography, University of California at Berkeley, 1972. Holds affiliate graduate faculty appointment in Department of Sociology, University of Hawaii. Received undergraduate education at Antioch College in Ohio; earned master's degree in demography at UC Berkeley. During 1966-67 served with Volunteers in Service to America, later as trainee with University of Michigan Population Studies Center.

Joined research staff of the Population Institute in September, 1972; was Assistant Director for Graduate Study from July 1975, to October, 1977. Research interests: development and application of incomplete data estimation techniques to Asian population.

Robert W. Gardner, PhD Demography, University of California at Berkeley, 1974. Holds joint appointment as Assistant Professor of Public Health, University of Hawaii. Earned bachelor's degree at Stanford University and master's degree from University of California at Berkeley. Spent five months as Ford Foundation consultant in Pakistan in 1974. Research interests: migration and urbanization, Hawaii.

Siew-Ean Khoo, ScD Population Sciences, Harvard University, 1977. A Malaysian, received BA at Radcliffe College and MSc at the Harvard School



of Public Health. During 1976-77 was Joint Doctoral Intern at the East-West Population Institute. Joined Institute in 1978, holds affiliate graduate faculty appointment in Population Studies, University of Hawaii. Resigned as Research Associate effective December 21, 1981. Research interests: population and family planning evaluation, female migration.

Peter Kunstadter, PhD Anthropology, University of Michigan, 1961. Adjunct Research Associate, holding graduate affiliate faculty appointment in School of Public Health, University of Hawaii. Joined Institute in 1974, after serving as Associate Professor of Anthropology and Epidemiology at University of Washington. Received undergraduate education at University of New Mexico and master's degree from Cornell University. Research interests: social structure, social change, medical anthropology, human ecology, Thailand, Indonesia.

Andrew W. Mason, PhD Economics, University of Michigan, 1975. Holds joint appointment as Associate Professor of Economics, University of Hawaii. Other experience includes Board of Governors of the Federal Reserve System; Population Studies Center, University of Michigan; and Asian Development Bank. Research interests: economics of household formation, demographic aspects of saving, economic growth and population change.

James A. Palmore, PhD Sociology, University of Chicago, 1966. Holds joint appointment as University of Hawaii Professor of Sociology and is Director of University's Population Studies program, College of Arts and Sciences. Received bachelor's degree from Antioch college and master's degree in sociology from University of Chicago. Before joining Institute in 1970, was Research Associate with Population Studies Center and Center for South and Southeast Asian Studies, as well as Assistant Professor of Sociology, University of Michigan. Served as Senior Demographic Advisor to Malaysian Government in 1966-67. Research interests: demographic methods and surveys statistics, fertility and family planning, Malaysia, Philippines, Republic of Korea.

Chai Bin Park, MD Medicine, Seoul National University, 1949, and DPH Public Health, University of California at Berkeley, 1959. Holds joint appointment as Professor of Public Health, University of Hawaii. From 1962 to 1966 was Statistical Consultant for World Health Organization in Brazil and Jamaica. Joined Institute in 1970. On leave, 1979-80, as consultant to Korean Institute for Family Planning in Seoul. Research interests: measurement of fertility, population program evaluation, methodology in population analysis, life table techniques, Republic of Korea, Hawaii.

Peter N. D. Pirie, PhD Geography, Australian National University, 1963. A New Zealander. Holds joint faculty appointment at the University of Hawaii as Professor of Geography. Received bachelor's and master's degrees at University of Auckland. Joined the Population Institute in 1970; appointed Assistant Director for Graduate Study, July 1973. On leave, 1975-77, as Visiting Professor at the Faculty of Economics and Administration, University of Malaya, sponsored by the United Nations (UNFPA). Resigned from Assistant Director position July, 1979 to work with Pacific Islands Development Program of the Center. On leave, 1980 to accept appointment with the United Nations in Malaysia. Research interests: population-



resource relationships, census methods, historical demography, Pacific Islands (particularly Polynesia), Malaysia.

Peter C. Smith, PhD Sociology, University of Chicago, 1970. Holds affiliate graduate faculty appointment in Sociology, University of Hawaii. Came to Institute in 1975 from the Ford Foundation; from 1970 to 1975 was consultant to Population Institute, University of the Philippines. Received undergraduate training in history at Marquette University and a master's in demography from University of the Philippines. Research interests: historical demography, nuptiality patterns, social and geographic mobility, Philippines.

Chi-hsien Tuan, graduate study in demography and statistics, 1955-57, at Princeton University with additional work at London School of Economics under Ford Foundation grant. Research Assistant in Taiwan survey of land use, agricultural economics and population, 1948-51; assistant for Princeton University surveys on Taiwan, 1952-55; Research Fellow, National Institute of Agricultural Economics, Beijing, 1958-61; Beijing Teacher's Training College, 1961-73; Consultant and translations, Hong Kong, 1973-80; joined Institute May 1980. Research interests: population policy and planned birth programs in China.

#### Technical/Administrative

Lois M. Bender, BA English, Goshen College, 1950. Production Specialist. Tutored and taught English as a second language at McKinley High School in Honolulu for two years. Has been associated with the Institute since 1972.

Ruby T. Bussen, MAT Mathematics, University of Chicago, 1964. Supervisory Computer Specialist. Received bachelor's degree in mathematics from Drake University. Was previously Senior Programming Analyst, Kentron Hawaii, Ltd. Resigned as Supervisory Computer Specialist effective July 26, 1982.

Irene T. Carr, BA Psychology, California State College, Los Angeles, 1967. Library Technician. Joined Institute in 1975, having previously served at Hamilton Library, University of Hawaii.

Joan M. Choi, Certificate, Secretarial Science, Honolulu Business College, 1964. Administrative Assistant. Joined East-West Center in 1964 and the Population Institute in 1970.

Gregory H. Y. Chu, MS Geography, University of Wisconsin, 1974. Cartographer. Native of Hong Kong; received undergraduate training at Wisconsin State University. Before coming to the Institute was Director of the Cartographic Laboratory and Visiting Instructor, Department of Geography, University of Kansas. On leave of absence, August 1981 - August 1982, at University of Minnesota. Resigned effective August 13, 1982.

Alice D. Harris, MLS Library Studies, Drexel University, 1956, and MS Population Geography, University of Hawaii, 1975. Resource Materials Specialist. Joined East-West Center in 1965 and Institute in 1969. Before joining Institute, served four years as Western Language Cataloger with EWC and two years as a Branch Librarian at Rutgers University. Appointed as



Head of combined EAPI/PI/RSI Resource Materials Collection effective May 17, 1982.

Robert L. Hearn, MA English, University of Hawaii, 1980. Writer/Editor. Joined the Institute in July 1981. Former senior production editor at the University Press of Hawaii. BA English, California Polytechnic State University, San Luis Obispo, 1973.

Victoria Tao Ho, MS Mathematics, Carnegie Mellon University, 1971. Computer Specialist. Born in China; background in mathematics, computer science emphasis. From 1967 to 1972 was Engineer at Westinghouse Electric Research Laboratories and in 1973 was Analyst Programmer with Systems Corporation in Honolulu. Appointed as Acting Supervisory Specialist, July 1, 1982 - December 31, 1982.

Carolyn N. Ishikawa, MPH Public Health, University of Hawaii, 1974. Program Officer for Graduate Study. Native of Honolulu; received bachelor's degree in education from the University of Hawaii. Taught in Nepal and on the U.S. mainland before joining the Institute in 1975.

Janet F. Mason, MSW Social Work, University of Michigan, 1973. Administrative Officer. Received bachelor's degree in sociology from Simmons College in Boston. Before joining Institute in 1978, worked in social services and health planning in Hawaii and on the mainland.

Marie Y. Nomura, Cannon's School of Business. Fiscal Assistant, May 1981 - June 1982. Transferred to EAPI/PI/RSI Program Support Office effective July 1, 1982. Joined the Institute in 1978 as secretary to AID Project Coordinator.

Eleanor C. Nordyke, BS Nursing, Stanford University, 1950, and MPH Public Health, University of Hawaii, 1969. Community Population Specialist. Was Public Health Nurse in California and Hawaii before joining Center in 1969. Research interests: demography of Hawaii, including fertility, mortality, and migration. Resigned effective July 20, 1982.

Susan M. Palmore, MA Political Science, University of Hawaii, 1964. Program Officer. Joined Institute as Staff Researcher in 1970. Attended Goucher College in Maryland. Received BA in history and MA in political science at the University of Hawaii. Before joining Institute taught at Punahou School and Kaimuki Community School in Honolulu. Appointed as Administrative officer of the EAPI/PI/RSI Program Support Office effective April 1, 1982.

Judith Ann Tom, MS Information Science, University of Hawaii, 1970. Computer Specialist. Received bachelor's degree in mathematics from the University of Hawaii. Was previously Computer Programmer and Analyst, Honolulu Model Cities.

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## PUBLICATIONS AND OTHER PRODUCTS

### SERIAL PUBLICATIONS

#### Paper Series

Papers of the East-West Population Institute, issued about eight times a year, are reports of completed research and state-of-the-art essays on topics related to the demography of Asia, the Pacific, and the United States. ISSN 0732-0531.

75, Regional Patterns of Intercensal and Lifetime Migration in Sri Lanka, by Dayalal Abeysekera. September 1981. vii, 46 pp. \$1.25.

76, Economic Consequences and Future Implications of Population Growth in China, by Robert F. Dernberger. October 1981. v, 32 pp. \$1.

77, An Assessment of Fertility and Contraception in Seven Philippine Provinces: 1975, by Wilhelm Flieger and Imelda Pagtolun-an. November 1981. x, 154 pp. \$3.

78, The Population Dynamics of Nepal, by Judith Banister and Shyam Thapa. December 1981. vii, 119 pp. \$2.50.

79, Migration and Unemployment in Hawaii, by Robert D. Retherford. January 1982. v, 18 pp. \$1.

80, The Demographic Situation in India, by Mahendra K. Premi. February 1982. ix, 152 pp. \$2.50.

60-E, The Changing Value of Children in Turkey, by Cigdem Kagitcibasi. June 1982. viii, 100 pp. \$2.50.

81, Labor Markets, Urban Systems, and the Urbanization Process in Southeast Asian Countries, by Terence G. McGee. July 1982. v, 28 pp. \$1.

#### Asian and Pacific Census Forum

A quarterly, the Forum reports on census, vital registration, and population survey activities in Asia and the Pacific, contains technical articles on demographic measurement, and reviews new publications. ISSN 0732-0515. Selected articles:

Vol. 8, No. 2, November 1981, 16 pp. "The U.S. Census Undercount," by Philip M. Hauser; "Robust Estimation of Fertility by the Use of Model Stable Populations," by Ansley J. Coale; and "Publications That Count," by Alice D. Harris.

Vol. 8, No. 3, February 1982, 20 pp. "Eighth Population Census Conference Examines 1980-81 Experiences," by Robert L. Hearn; "Selectivity and the Analysis of Birth Intervals from Survey Data," by Ronald R. Rindfuss, James A. Palmore, and Larry L. Bumpass; "An Algebraic Illustration of the Extent of Selectivity Bias," by Chai Bin Park.

Vol. 8, No. 4, May 1982, 16 pp. "Conference on Migration Recommends Continuation of ILO/SPC Project"; "Fitting Age-Specific Fertility with a Truncated Pearson Type III Curve," by Norman Y. Luther; "Publications That Count," by Alice D. Harris; review by Ruby Bussen and Robert L. Hearn of Statistical Software.

Vol. 9, No. 1, August 1982, 16 pp. "Saudi Demand for Filipino Workers," by John E. Smart; "Plotting Paper for Brass Life Table Analysis," by Michael A. Stoto, Jose Gomez de Leon, and Douglas C. Ewbank; "Counting China's Billion People," by Chi-Hsien Tuan; and "Publications That Count," by Alice D. Harris.

### Working Papers

Working Papers are circulated for comment and inform interested colleagues about work in progress at the Population Institute.

18, "Unmet Need for Contraception in Pakistan: A Review of Program Targets," by Nasra M. Shah and Tauseef Ahmed. September 1981. 26 pp.

19, "Issues in the Labor Force Participation of Migrant Women in Five Asian Countries," by Nasra M. Shah and Peter C. Smith. September 1981. 29 pp.

20, "Measuring Parental Sex Preferences: Some Methodological Issues," by Poo-Kong Kee. October 1981. 20 pp.

21, "Migration, Sex, and Occupations in Urban Indonesia and Thailand," by Peter C. Smith. October 1981. 27 pp.

22, "Motivations for Childbearing among Malaysians," by Poo-Kong Kee. October 1981. 19 pp.

23, "The Determinants of Modern Contraceptive Use in Indonesia: Analyses of the Effect of Program Effort," by Siew-Ean Khoo. January 1982. iii + 28 pp. \$1.

24, "Preference for Sons, Family Size, and Sex Ratio: An Empirical Study in Korea," by Chai Bin Park. iii, 34 pp. \$1.

25, "Cohort Nuptiality in Asia and the Pacific: An Analysis of the World Fertility Surveys," by Peter C. Smith, Mohammed Shahidullah, and Adelaar N. Alcantara. May 1982. iii, 52 pp. \$1.

26, "Themes on Circulation in the Third World," by Murray Chapman and R. Mansell Prothero. July 1982. 41 pp. \$1.

### Reprint Series

Reprints bring selected articles originating from institute research but published elsewhere to the attention of population specialists who might not otherwise see them.

133, "Application of the Own-Children Method of Fertility Estimation to an Anthropological Census of a Nepalese Village," by Robert Schroeder and



- Robert D. Retherford. From Demography India, January-December 1979. 10 pp.
- 134, "The Family Planning Program in Pakistan: What Went Wrong?" by Warren C. Robinson, Makhdoom A. Shah, and Nasra M. Shah. From International Family Planning Perspectives, September 1981. 8 pp.
- 135, "Japanese Response to an Aging Labor Force," by Linda G. Martin. From Population Research and Policy Review, Vol. 1, No. 1, January 1982. 23 pp.
- 136, "Policy Implications of Circulation: Some Answers from the Grassroots," by Murray Chapman. From Population Mobility and Development: Southeast Asia and the Pacific, edited by G.W. Jones and H.V. Richter, Development Studies Centre Monograph No. 27, Canberra, 1981. 19 pp.
- 137, "Population Research and Population Policy in Korea in the 1970s," by Duck-Woo Nam and Kong-Kyun Ro. From Population and Development Review, Vol. 7, No. 4, December 1981. 19 pp.
- 138, "Dynamic Perspectives in the Study of Fertility Decision-Making: Successive Decisions within a Fertility Career," by Rodolfo A. Bulatao and James T. Fawcett. From International Union for the Scientific Study of Population, International Population Conference, Manila 1981, Vol. 1, 1981. 17 pp.
- 139, "Migration, Sex and Occupations in Urban Indonesia and Thailand," by Peter C. Smith. From International Union for the Scientific Study of Population, International Population Conference, Manila 1981, Vol. 3, 1981. 24 pp.
- 140, "The Unmet Need for Contraception in Pakistan: A Review of Program Targets," by Nasra M. Shah and Tauseef Ahmed. From International Family Planning Perspectives, Vol. 8, No. 1, March 1982. 7 pp.
- 141, "Infant Mortality Estimates Based on the 1976 Nepal Fertility Survey," by Shyam Thapa and Robert D. Retherford. From Population Studies, Vol 36, No. 1, March 1982. 20 pp.
- 142, "The Transformation of Korean Child-Spacing Practices," by Ronald R. Rindfuss, Larry L. Bumpass, James A. Palmore, and Dae Woo Han. From Population Studies, Vol. 36, No. 1, March 1982. 18 pp.
- 143, "Contrasting Marriage Patterns and Fertility in Southeast Asia: Indonesia and the Philippines Compared," by Peter C. Smith. From Nuptiality and Fertility, edited by Lado Ruzicka. Liege, Belgium: Ordina Editions, 1982. 31 pp.
- 144, "Intermediate Variables and Educational Differentials in Fertility in Korea and the Philippines," by Larry Bumpass, Ronald R. Rindfuss, James A. Palmore, Mercedes Concepcion, and Byoung Mohk Choi. From Demography, Vol. 19, No. 2, May 1982. 20 pp.
- 145, "Mobility in North Thailand: A View from Within," by Anchalee Singhanetra-Renard. From Population Mobility and Development: Southeast

Asia and the Pacific, edited by G.W. Jones and H.V. Richter. Development Studies Centre Monograph No. 27, Canberra, 1981. 30 pp.

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Palmore, James A., and Mercedes B. Concepcion, "Desired Family Size and Contraceptive Use." In World Fertility Survey Conference 1980: Record of Proceedings, Vol. 2, pp. 519-42. Voorburg, Netherlands: International Statistical Institute.

Shah, Nasra M., "Pakistan." In International Encyclopedia of Population, edited by John A. Ross, pp. 507-12. New York: The Free Press, 1982.

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Pebley, Anne R., Charles F. Westoff, Satindra Nath Mitra, Sri Harijati Hatmadji, Aminah Abdul Rahman, Gokarna P.S. Regmi, and Malinee Chaumpluk, Unmet Need for Contraception in World Fertility Surveys of Developing Countries. Honolulu: East-West Center, February 1982. v, 96 pp.

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Pirie, Peter N.D., "Southeast Asia Population Awards Program (SEAPRAP) Terminal Evaluation Report." Report for the Program Committee, SEAPRAP. Singapore, 1981.

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Fawcett, James T., and R.A. Bulatao, "Dynamic Perspectives in the Study of Fertility Decision-Making: Successive Decision within a Fertility Career." In International Population Conference, Manila, Vol. 1., pp. 433-49. Liege, Belgium: International Union for the Scientific Study of Population, 1981.

Pirie, Peter N.D., "The Demographic Situation in the Pacific Islands and the Maldives." Paper in Report and Working Papers of the ESCAP/SPC

Conference Seminar on Population Problems of Small Island Countries of the ESCAP/SPC Region, pp. 17-30. New York, 1982.

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Conference Papers and Public Lectures

Caces, Fe, Fred Arnold, James T. Fawcett, and Robert W. Gardner, "Shadow Households and Competing Auspices: Migration Behavior in the Philippines." Paper presented at the Annual Meeting of the Population Association of America, San Diego, California. April 28-May 1, 1982.

De Jong, Gordon F., Ricardo G. Abad, James T. Fawcett, Robert W. Gardner, Benjamin V. Carino, and Fred Arnold, "International and Internal Migration Decision Making: Results from a Value-Expectancy Based Analytical Framework of Intentions to Move from a Rural Philippine Province." Paper presented at the XIXth General Conference on the International Union for the Scientific Study of Population, Manila, Philippines. December 9-16, 1981.

Fawcett, James T., S.E. Khoo, and Peter C. Smith, "The Migration of Women to Cities in Asia." Paper presented at the IGU Symposium on the Role of Women in Population Redistribution, Cagliari, Spain. September 1982.

Fawcett, James T., and Gordon F. De Jong, "Reasons for Moving and Migration Behavior." Paper prepared for the ESCAP Technical Working Group on Migration and Urbanization, Bangkok. December 1981.

Kindstadter, Peter, "Consequences of Development in a traditional Agroecosystem." Paper presented at the EWPI Summer Seminar in Population. Honolulu, June 1982.

Pirie, Peter N.D., "Human Populations and Agroecosystems: A Collection of Readings." Paper presented at the Workshop on Human Populations and Agroecosystems in the Humid Tropics, 13th Summer Seminar in Population, EWPI. Honolulu, June 1982.

Pirie, Peter N.D., "Population Dynamics, Agroecosystems and Agricultural Innovation." Paper for Workshop on Ecosystems Models for Agricultural Development. Kunming and Guangzhou, China. September-October 1982. Sponsored by EWEAPI and the Department for Rural and Urban Development and Environmental Protection, China.

Dissertations

Chutikul, Sirilaksana (Thailand), "An Economic Analysis of Malnutrition among Young Children in Rural Thailand: Determinants and Implications." Ph.D. dissertation, Economics, University of Hawaii. 259 pp.

Domingo, Lita (Joint Doctoral Research Intern) (Philippines), "Pre-Adult Independence: A Life Stage Analysis on Women of the Philippines." Ph.D. dissertation, Sociology, University of Hawaii. 193 pp.

Lin, Chung-cheng (Taiwan, China), "Age Composition of the Labor Force and



Age-Earning Profiles in Taiwan." Ph.D. dissertation, Economics, University of Hawaii. 110 pp.

McDorman, Marian (U.S.), "Spatial Patterns of Human Fertility in Punjab and Haryana, India, 1971." M.A. dissertation, Geography, University of Hawaii. 144 pp.

Palmer, Kevin (U.S.), "In Vitro Studies on Plasmodium Falciparum: Effects of Glucose-6-Phosphate Dehydrogenase Deficiency and Immune Serum on Parasite Growth and Development." Ph.D. dissertation, Tropical Medicine, University of Hawaii. 110 pp.

Singhanetra, Anchalee (Thailand), "Norther Thai Mobility 1970 - 1977: A View from Within." Ph.D. dissertation, Geography, University of Hawaii. 370 pp.

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## Population & Economic Development Conference

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#### RESOURCE MATERIALS COLLECTION

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## POLICY & PROGRAM ANALYSIS

### Fellows

Keith E. Adamson, Former Acting Director & Executive Officer, East-West Center, Honolulu, Hawaii

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Byung Tae Park, Unspecified, Hawaii

Insook Park, Research Intern, Population Institute, East-West Center, Honolulu, Hawaii



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Communication for Health & Family Welfare: India

Participants

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## Delegation from the Chinese Academy of Social Sciences

### Participants

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## Policy & Program Analysis

### Participants

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### Students

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## Population, Resources & Development Conference

### Participants

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Mo-Im Kim, National Assembly Woman, Government of Korea, Seoul, Republic of Korea

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#### URBANIZATION, MIGRATION & DEVELOPMENT

##### Fellows

Ricardo G. Abad, Resident Associate, Institute of Philippine Culture, Ateneo De Manila University, Manila, Philippines

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Sidney Goldstein, Director, Pop Studies & Training Center, Brown University, Providence, Rhode Island

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#### Research Interns

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Hawaii

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#### Philippine Migration Research Planning Meeting

##### Participants

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Rachel Heruela Racelis, Philippines, PhD, Economics  
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Elaine Yi-Lan Tsui, Taiwan, China, PhD, Anthropology  
Ann Therese Turner, Australia, MA, Geography  
Kurt Frederick Weigelt, Hawaii, PhD, Political Science  
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#### Urbanization & National Development Conference

##### Participants

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# Resource Systems Institute

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Harrison Brown, Director

The Resource Systems Institute focuses on resolving the critical problems of obtaining sufficient quantities of food, energy and raw materials.

Among the highlights of the year:

The Department of Agriculture arranged a symposium in Washington to bring Center work on food security problems to the attention of a variety of policymakers and research leaders. At two other symposia in Washington and New York, members of the RSI energy group described work dealing with the changing world oil situation. The Washington symposium at the National Academy of Sciences attracted forty officials from government agencies. The New York symposium, at the offices of the Scallop Corporation, was held for representatives of petroleum corporations, financial institutions, the trade journals, and international organizations.

In the Raw Materials program area a study of the chromite potential of five Southwest Pacific countries has indicated that the region probably has a much greater chromite potential than previously recognized. Major developed western countries are heavily dependent on imported chromite and ferrochrome from South Africa, Zimbabwe and the U.S.S.R. The potential for diversifying sources of supply has not been fully explored by consuming nations, and this study could act as a catalyst to encourage these governments to take a closer look at the potential for diversification of chromite supplies.

A technology assessment of the potential of biological nitrogen fixation, supported in part by the National Science Foundation, explored the technological, economic, environmental, social, and political consequences of the process. The assessment is being conducted by a multidisciplinary, international team to identify and evaluate probable effects. The study will be completed in mid-1983.

Following the discovery last year that most OPEC countries are rapidly increasing their oil refining and transport capacities, a major project called OPEC Downstream has been developed with the support of the U.S. Department of Energy. The effort yielded a dozen papers of policy significance and two books that will appear in 1983.

A significant new project, The Electric Futures of the Asia-Pacific Region, is exploring the past, present, and future development of electrical power networks in Asian countries. In the first phase the concentration is on Japan, Korea, and Taiwan, China, which have many similarities in their needs for electricity. An important and novel aspect of the study has been the full collaboration, both intellectual and financial, of key organizations in those countries. The final report of this phase, which will contain numerous policy implications for the developing countries of the region, will be prepared in early 1983.



A new project, Food and Fuel for Large Asian Cities, is being developed jointly with the Population Institute. This effort is exploring how Asia's rapidly growing major cities will meet their food and fuel needs. Related to this is our continuing project on Energy and Industrialization, which during FY82 yielded several significant papers.

Preliminary studies of the effect of lifetime exposure of Indian women to smoke from village cooking stoves indicate a health hazard of possibly major proportions. The joint studies of an East-West Center-Indian team are being expanded into a project expected to be financed in part by the World Health Organization.

The fifth annual meeting of the Asia-Pacific Energy Studies Consultative Group (APESC) in May centered on the post-oil energy transition. Pergamon Press has agreed to devote an entire issue of its journal Energy each year to the papers presented at these conferences. This year, Pacific Resources, Inc. announced that it would contribute \$25,000 each year to support the APESC conferences.

Three important books were published: The International Energy Relations of China, by Kim Woodard. Stanford University Press (1981); Critical Energy Issues in Asia and the Pacific: The Next Twenty Years, by Fereidun Fesharaki, Harrison Brown, Corazon M. Siddayao, Kirk R. Smith, Toufiq Siddiqi and Kim Woodard. Westview Press (1982); and Food Security: Theory, Policy, and Perspectives from Asia and the Pacific Rim, edited by Anthony H. Chisholm and Rodney Tyers. Lexington Books (1982).

#### FOOD SYSTEMS

The RSI Food Systems program area conducts research on the complex issues involved in developing more effective food production and distribution. In the Asian and Pacific region, of special concern are economic, ecologic, and social issues, and the relationship between food and energy.

##### Food Security

A four-year research and training activity that included the development of a multicommodity global food trade model was concluded in FY82. The model was used both to identify and evaluate the sources and consequences of variables in food supplies and prices and as a basis for policy discussions and academic analyses. Examples included a policy symposium at the United States Department of Agriculture (one of the activity's sponsors) and the publication by Lexington Books of Food Security: Theory, Policy, and Perspectives from Asia and the Pacific Rim.

##### A Technology Assessment of Biological Nitrogen Fixation for Rice and Corn

Research focuses on what will happen if a range of technological strategies of biological nitrogen fixation (BNF) are applied to rice and corn production. The assessment, partially supported by the National Science Foundation, is being conducted by a multidisciplinary team. Special

attention is being given to alternative decisions that may be taken by policy makers and what effects the implementation of those decisions will have on the full application of BNF. The activity is scheduled for completion in mid-1983.

#### Food and Fuel for Large Asian Cities

How Asia's rapidly expanding major cities will meet their food and fuel needs is a complex issue. The activity concentrated on defining the scope and operational objectives of the activity in coordination with the Population Institute. A joint doctoral intern from the University of Colorado, Gerald Barth, completed a dissertation on the food supply system for Davao City, Philippines. RSI cosponsored a symposium, "Food and the City," at the Fourth Intercongress of the Pacific Science Association in Singapore. The papers presented will appear in a supplement of Geojournal.

#### Program Area Team:

Bruce Koppel (program area leader), Saleem Ahmed, John Bardach, Harrison Brown, John Dixon (EAPI), Robert Randolph, James Roumasset, Rodney Tyers.

#### Cooperating Institutions:

Australian National University; National Logistic Agency (Indonesia); National Science Foundation; United States Department of Agriculture; University of Hawaii; and University of the Philippines at Los Banos; among others.

#### ENERGY SYSTEMS

The Energy Systems program focuses on energy policy analysis in relation to the differing degrees of energy self-sufficiency of the nations in the Asian and Pacific region. These nations all face common problems of energy production, processing, distribution, and use. The energy systems of the region are changing rapidly as the patterns of supply and demand shift.

#### Energy for Rural Development

The project objective is to clarify key energy policy and technology development issues to meet rural development needs. Principal activities were (1) preparation of the draft book, Rural Energy to Meet Development Needs: Issues and Methods, (2) action-oriented research in three sites of one village panchayat (a group of towns or villages comprising a political unit) in Nepal to encourage participation of local people in the assessment of energy needs and priorities, and (3) cooperation with the University of Hawaii College of Tropical Agriculture and Human Resources to link research on rural energy systems to farming systems, both in the state of Hawaii and internationally. The book, to be published in 1983, distills the experiences of cooperating institutions in seven Asian countries. It concludes with an agenda and methods for new research that relate energy to agricultural, livestock and forestry research, and development. New research directions build on a model tested in Nepal for developing



cooperation among local people, technical and academic institutions, and government agencies to identify and implement relevant energy projects and policies for rural enhancement.

A recently developed subproject examines the extent of air pollution emissions from the use of traditional biomass fuel, the effects on health, and how pollution can be reduced. This work involves field studies and policy analysis in Hawaii, the U.S. mainland, the Pacific, Africa, and Asia, and is done in cooperation with a number of institutions in these regions.

#### OPEC Downstream Project

This project examines hydrocarbon processing (refining and petrochemicals) and tanker transportation in the OPEC countries. The objective is to determine the implications of these developments for the world's oil market and the consequent effect on both developed and developing nations. Case studies will examine the impact on selected developing nations of the Asian and Pacific region. The downstream analysis is used to assess world oil availability, trade, price, and oil supply security. The project has developed a generalized refinery simulation model, an oil flow tanker model, and various models for projecting demand for petroleum products and chemicals. Major data banks have been developed on world refining, petrochemicals, synthetic fuels, tanker operation, and OPEC economies.

#### Energy and Industrialization in the Asia-Pacific Region

This project focuses on the effects of the dramatic increases in oil prices in the 1970s and the changing international market structure on the developing countries of the Asian and Pacific region. It studies energy security in the context of access to energy and financial resources and the achievement of economic development goals. Research has focused on three major aspects: (1) the effects of foreign exchange constraints on economic growth in oil-importing countries, (2) the role of pricing in improving the efficiency of energy consumption and production, and (3) the role of the institutional framework in the development of indigenous energy resources and in restructuring the demand for energy. The emphasis is on analytical methods of addressing policy issues.

#### Electric Futures of the Asia-Pacific Region

The objective of this study is a comprehensive technical and economic evaluation of the post-petroleum electrical future of Asia. The first phase concentrates on the three major energy consumers in Northeast Asia: Japan, Korea, and Taiwan. This assessment is expected to lead to a better understanding of regional energy trade, development, and efficient modes of transportation, resulting from shifts in the fuels used to generate power in the post-petroleum era. Lessons from this assessment may be appropriate for long-term power development planning elsewhere in the Asian and Pacific region. The assessment is being conducted on a cooperative basis with such institutions as Mitsubishi Research Institute of Japan, Institute of Energy Economics of Japan, Korea Electric Company, TAIPOWER, the Massachusetts Institute of Technology, and the Electric Power Research Institute, Palo Alto.

## Pacific Island Energy Studies

This study involves the South Pacific Bureau of Economic Cooperation, the United Nations Development Programme, the United Nations Economic and Social Commission for Asia and the Pacific, and the European Economic Community. It addresses the energy problems of ten Pacific island nations: the Cook Islands, the Federated States of Micronesia, Fiji, Kiribati, Niue, Papua New Guinea, the Solomons, Tonga, Vanuatu, and Western Samoa. RSI conducted a preliminary petroleum assessment. Then, a field survey team involving two RSI staff visited each nation and prepared country energy surveys and proposals for renewable energy projects. As a result of survey findings, a multiyear capital project will begin in 1983, to which the UN-EEC has already committed US\$8.7 million. The Center contribution to the effort is coordinated jointly by RSI and the Pacific Islands Development Program. It focuses chiefly on the assessment of energy needs and, where requested, assistance on policy issues. Follow-up activities in RSI involve a detailed analysis of petroleum supply options available to Pacific countries, and a workshop on the energy problems of the U.S. trust and flag territories in the Pacific. Other areas may involve social impact monitoring programs and conservation workshops.

## Academic Energy Program

In conjunction with the University of Hawaii, the Energy Program is developing a graduate-level curriculum in Energy Policy, Planning, and Economics. Funds have been secured for a joint visiting professorship beginning in the Spring of 1983. Along with interested UH and Center faculty, this person will work to coordinate Center and UH energy-related courses and to help initiate additional courses. This program is coordinated with the Renewable Energy Engineering Program of the UH College of Engineering.

### Program Area Team:

Kirk Smith (program area leader), Deepak Bajracharya, Harrison Brown, Fereidun Fesharaki, David Isaak, Yoong Hyung Kim, Richard Morse, William Pintz, David Rose, and Corrazon Siddayao.

### Cooperating Institutions:

Australian Institute of Energy; Ministry of Planning, Dacca, Bangladesh; Ministry of Coal Industry, Beijing, China; Indian Institute of Management, Ahmedabad; Department of Mines and Energy, Jakarta, Indonesia; The Institute of Energy Economics, Tokyo, Japan; University of Tokyo, Nuclear Engineering Research Laboratory; National Council of Science and Technology, Kathmandu, Nepal; Hydrocarbon Development Institute, Islamabad, Pakistan; Singapore Petroleum Company; Chulalongkorn University, Bangkok, Thailand; Economic and Social Commission for Asia and the Pacific (ESCAP), Bangkok, Thailand; South Pacific Bureau of Economic Cooperation, Suva, Fiji; European Economic Community; California Energy Commission, Sacramento; Lawrence Berkeley Laboratory, University of California; Pacific Resource International, Inc., Honolulu; The Rockefeller Foundation, New York; University of Hawaii at Manoa, Honolulu; U.S. Department of Energy;



U.S. National Academy of Sciences, Washington, D.C.; Massachusetts Institute of Technology; OPEC Secretariat, Vienna, Austria; National Research Council, Bangkok, Thailand; Planning Research and Action Division, Lucknow, India; Appropriate Technology Development Association, Lucknow, India.

## RAW MATERIALS

The Raw Materials Systems program area is concerned with identifying and evaluating policy and strategy options that will help nations obtain greater benefits from the exploration and development of their mineral resource reserves. The main research areas are mineral resource assessment for national planning, innovative arrangements between governments and transnational companies, and technical and economic issues affecting the rate of mineral exploration and development.

### South Pacific Chromite Study

Research has uncovered unpublished data indicating that the Southwest Pacific may have a greater chromite potential than reported in U.S. government strategic minerals reports. Three Southwest Pacific country governments and three U.S. mining companies actively cooperated in making unpublished data available, providing expertise in the field, and transportation into remote areas. The field research confirmed that (1) known chromite deposits in the region are both more numerous and larger than reported in U.S. Government published studies; and (2) the geologic potential is high for additional chromite discoveries in the region.

The research results demonstrate that U.S. policy options could be broadened away from the heavy focus on "domestic production" and a "large minerals stockpile" to increased attention to diversification of sources of supplies among a number of countries in conjunction with a reduction in stockpile size. Such a strategy would significantly reduce carrying charges associated with the relatively large stockpile financed by the U.S. government.

### Resources Assessment for National Development Planning

Within the U.S. government there is considerable controversy about the size of the nation's undiscovered minerals potential even though the level of knowledge on the subject is "hundreds" of times that of developing nations. Therefore, the problems faced by developing country decision makers in assessing their minerals potential is far greater than in the United States. Regardless of minerals data limitations, decisions must be made as developing countries produce and implement successive economic development plans.

In long term planning, most developing country governments attempt to develop their natural resource potential to promote economic development. However, undiscovered mineral resource estimates are rarely included in long-term development plans even though their contribution to development

may be substantial. Estimation techniques developed by the United States and Canadian Governments can be useful in providing estimates of the possible size, location and value of undiscovered resources yet these techniques are rarely adopted to developing country situations.

In August 1982, a workshop was held at the Center to assist officials of developing countries in understanding what suitable technologies are available for resource assessment. The workshop was co-sponsored with six other major organizations and attracted 100 participants from 35 nations. The Raw Materials staff presented a key paper to help bridge the gaps between geologists and policy makers. Papers from the workshop are being published in FY83 by the U.S. Geological Survey. A second workshop is planned for FY84 that will focus more specifically on developing country resource assessment problems.

#### Program Area Team:

Charles Johnson (program area leader), Susan Bambrick, Allen Clark, Pow-foong Fan, William Pintz, William Vogely, John Wilson, Stephen Zorn.

#### Cooperating Institutions:

The United States Geological Survey, U.S. Bureau of Mines; Commonwealth Secretariat; Fiji Ministry of Lands and Mineral Resources; Papua New Guinea Ministry for Minerals and Energy; Solomon Islands Ministry of Natural Resources; Vanuatu Ministry of Lands; Ok Tedi Mining Company; Conzinc Riotinto of Australia; American Association of Petroleum Geologists; U.S. Department of Agriculture; and the International Union of Geological Sciences.

#### SPECIAL PROJECTS PROGRAM

This program provides an institutional rubric for activities that are important to RSI but are not an integral part of the three main program areas. During FY82, the main activity of this kind was the Asia-Pacific Energy Studies Consultative Group, a yearly meeting under RSI auspices of top energy decisionmakers and advisors in the Asia-Pacific region.

#### Program Area Team:

Harrison Brown (program area leader), Guy Pauker.



## RESOURCE SYSTEMS INSTITUTE

### Staff

#### Director

Harrison Brown, PhD Chemistry, Johns Hopkins University, 1941. Came to the Center in August 1977 from post as Professor of Science and Government at the California Institute of Technology. For many years served as Foreign Secretary of the National Academy of Sciences and as head of the International Council of Scientific Unions from 1974 to 1976, and also a former faculty member with the University of Chicago's Plutonium Project and the Oak Ridge Laboratory. Special research interests: interrelationships between resources, technological change, and economic and social development.

#### Assistant Directors

John Bardach, PhD Zoology, University of Wisconsin, 1949. Served as Director of Hawaii Institute of Marine Biology; is now also Adjunct Professor at University of Hawaii; has chaired aquatic food sources team as part of the World Food and Nutrition Study of the National Research Council/National Academy of Sciences. A former faculty member at University of Michigan, is executive council member of the Pacific Science Association and board member of the Law of the Sea Institute. Special research interests: the relationship of aquatic ecology to economics, including resources management aspects of extended maritime jurisdiction.

Robert H. Randolph, PhD History, Stanford University, 1978. Came to the Center from the International Institute for Applied Systems Analysis, Luxemburg, Austria, where he worked with an international team investigating systems; also initiated the first computer-assisted international team research linkages between the U.S.A., Austria, Poland, and the U.S.S.R. Earlier experience included technological forecasting, technology assessment, probabilistic simulation modeling, and teleconferencing system development. Special research interests: biological nitrogen fixation and application of computer methods for RSI research and communication problems, specifically the exploration of long-term future alternatives for Asia-Pacific resource systems.

#### Research Associates

Saleem Ahmed, PhD Soil Science, University of Hawaii, 1965 (on East-West Center Scholarship). Came to the Center in 1973 from position as Senior Technical Services Advisor with a multinational fertilizer manufacturing and marketing firm in Pakistan. Was formerly on faculty of the University of Karachi. A Pakistani national, serves as a consultant on fertilizer marketing and management to several international agencies. Primary research interests: the area of food and agriculture including micro aspects such as inputs use and farmer decision making, and macro aspects such as rural dynamics, agri-business marketing, and management of human resource management.

Fereidun Fesharaki, PhD Economics, Surrey University, 1974. Served as Energy Advisor to the former Prime Minister of Iran, being responsible for the coordination of national energy policies, as well as international petroleum policy of Iran. Repeatedly served as member of the Iranian delegation to the OPEC Ministerial Conference. Has been a Research Associate at the Center for Middle Eastern Studies of Harvard University and a Research Fellow at the Institute for International Political and Economic Studies in Tehran. Has taught at the National University of Iran and was Director of the Energy Project, Institute of Economic Research, Tehran University. Special research interest: the international petroleum market and economic development in the Middle East.

Louis J. Goodman, PE, MS Civil Engineering, Harvard University, 1947. Came to the Center in 1971 after three years as Project Specialist in Engineering Education with Ford Foundation in the Philippines. Was formerly a faculty member at Ohio State and Syracuse Universities. Is a registered Professional Engineer and has served as consultant to government agencies, as well as architectural, engineering, and industrial firms working in variety of public works projects. Was Fulbright Professor in Egypt, 1964-65; and in Ecuador, summer 1967. Awarded honorary doctorate of engineering from Yeungnam University in Korea, 1976. Special research interests: the comprehensive policy problems associated with the planning and management of development projects. At the end of FY82, was assigned to Centerwide Programs to assist with management training.

Charles J. Johnson, PhD Mineral Economics, Pennsylvania State University, 1972; MS Geology, University of California, Riverside, 1968. Served as Commonwealth Secretariat Minerals Consultant to the Tanzanian Government, 1979; Ford Foundation Minerals Consultant to the Botswana Government, 1976-79; Program Manager for minerals and energy, National Science Foundation, 1974-75; Energy Economist, Federal Energy Administration, 1974; and Corporate Strategy Analyst with a major Australian mining company, 1972-73. Recently consultant to the United Nations and the Botswana Government. Special research interests: mineral policy and strategy formulation and application in developing countries with emphasis on technical and financial arrangements between multinational mining companies and governments; strategic minerals and future global mineral development patterns.

Bruce Koppel, PhD Rural Sociology, Cornell University, 1973. Spent two years in the Philippines working in the University of the Philippines College of Agriculture/Cornell University Graduate Education Program sponsored by Ford Foundation at Los Banos. Special research interests: technology assessments and social impact analyses, regional and rural development, and institutional aspects of food policy.

Richard Morse, MA Economics, Harvard University, 1958. Joined the Center as Research Associate in 1974. Was independent consultant on South Asia investment and industrial development, 1969-74; served with Economic Cooperation Administration and Ford Foundation in Burma, 1951-56. Also was consultant to the Ministry of Industrial Development, Government of India, 1958-60 and 1964-66; and Senior International Economist, Stanford Research Institute, 1961-63 and 1966-69. Special research interests: local innovation, cooperative development, and socio-economic aspects of decentralized development paths.



Choon-ho Park, PhD Public International Law, Edinburgh University Law School, 1971. Was Research Associate, East Asian Legal Studies, Harvard Law School, and Ocean Studies Fellow, Woodrow Wilson International Center for Scholars, Washington, D.C. before joining the research staff in the East-West Culture Learning Institute. Specialty is in the law of the sea, energy and international law with references to Northeast and Southeast Asia. Special interests: legal and political problems relating to disposal of radio-active wastes into the ocean.

Guy J. Pauker, PhD Social Sciences, Harvard University, 1952. Faculty member, Department of Government, Harvard University 1950-56; Department of Political Science, University of California at Berkeley and Chairman, Center for Southeast Asian Studies, 1956-63; Research Associate, Center for International Studies, Massachusetts Institute of Technology, 1952-56; Senior staff member, Social Science Department, the RAND Corporation, 1960-79; also Faculty Research Associate, Environmental Quality Laboratory, California Institute of Technology, 1970-74; consultant to various corporations and U.S. government agencies. Special research interests: resources policy and international cooperation in Asia.

James Roumasset, PhD Economics, University of Wisconsin, 1973. Taught microeconomics and public policy at University of California, Davis, 1972-76. Was Agricultural Development Council's representative to the Philippines, 1978-79. Spent seven years in the Philippines conducting research on farmer decision making and agricultural contracts and working directly with economic development projects. Currently holds joint appointment with University of Hawaii as Professor of Economics. Teaching and research centers on agricultural development and the New Institutional Economics.

Corazon M. Siddayao, PhD Economics, George Washington University, 1975. Served as Senior Research Economist at the Institute of Southeast Asian Studies, Singapore, with main research in petroleum resource development. Consultant at the U.S. Federal Energy Administration and the World Bank. Was teaching Fellow in Economics and Research Associate in Policy Studies in Science and Technology at George Washington University. Served 17 years in various capacities in the private sector and in government. Special interests: microeconomics of petroleum resource development; international and domestic economic implications of rising oil prices on Asia-Pacific developing countries.

Kirk R. Smith, PhD Biomedical and Environmental Health Science, University of California, Berkeley, 1977. Energy Program Leader. Research interests include risk and materials assessments for centralized technologies, evaluation and upgrading of indices for measuring energy flows, hazard indices applied to nuclear waste, air pollution from biomass fuels, and the shift of temporal perspective due to technological changes.

Yueh-Heng Yang, MS Food and Nutrition, 1946, and MA Agricultural Economics, 1947, St. Johns University, Shanghai. Has 25 years of professional experience with the Sino-American Joint Commission on Rural Reconstruction and with the United Nations Food and Agriculture Organization. Prior to joining the East-West Center, served as Deputy Director of the Caribbean

Food and Nutrition Institute of Jamaica, and FAO Nutrition Officer in INCAP, Philippines, and Korea. Special research interests: food and nutrition policy, planning, and development of micro-level support programs. Left the Institute in August, 1982.

#### Program Officer

Mendl Djunaidy, MA International Relations, Johns Hopkins University, 1968. As Program Officer, is primarily responsible for coordination of degree participants. Was formerly a Research Assistant at Brookings Institution and Institute for International Studies in Office of Education in Washington, D.C. before joining the East-West Center.

#### Research Materials Collection

Rita Hong, as Library Technician, is in charge of specialized documentary research and reference resource collection for use of staff and participants. Was formerly with East-West Center Library (now Asia Collection on University of Hawaii campus).

#### Administrative Assistant

Harriet Kusuhara, Certificate, Accounting, Dietz Commercial School, 1941. Has been on staff of East-West Center since its inception in 1960. Before joining Center staff, was with the International Cooperation Center, a training center established in the Office of the Governor, State of Hawaii.



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Brown, Harrison, China Among the Nations of the Pacific. Boulder: Westview Press, Inc., 1982. xi, 135 pp.

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- WP-82-9, The Future of U.S. Iranian Interests: Convergence or Divergence--The Economic Factor, by Fereidun Fesharaki. May 1982. 13 pp.
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## PROJECT PARTICIPANTS

### ENERGY SYSTEMS

#### Fellows

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#### Air Pollution & Traditional Fuels

##### Participants

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#### Electric Future of the Asia/Pacific Region

##### Participants

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### Energy Systems

#### Participants

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### Energy for Rural Development

#### Participants

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## FOOD SYSTEMS

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### Students

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Gary Hawes, Hawaii, PhD, Political Science

Nazrul Islam, Bangladesh, MS, Mechanical Engineering

James Vele Kaiulo, Papua New Guinea, MS, Agronomy & Soil Science

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Myoung Hoon Lee, Republic of Korea, PhD, Agronomy & Soil Science

Ranjith Bandara Mapa, Sri Lanka, PhD, Agronomy & Soil Science

Tangon Munjaiton, Thailand, PhD, Economics

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Abdul Rashid, Pakistan, PhD, Agronomy & Soil Science

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Upendra Singh, Fiji, PhD, Agronomy & Soil Science

Tlaloc Tadd Tokuda, Hawaii, MA, Political Science

V. Bruce Tolentino, Philippines, PhD, Economics

Abutaher Md Ziauddin, Bangladesh, PhD, Agricultural & Resource Economics

David Norman Zurick, Michigan, PhD, Geography

#### Agricultural Policy Process in Australia & US Symposium

##### Participants

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##### BNF Panel Meeting

##### Participants

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Adam Kondorosi, Researcher, Biological Laboratory, Harvard University, Cambridge, Massachusetts

William Newton, Research Manager & Senior Investigator, Charles F. Kettering Research Laboratory, Yellow Springs, Ohio

John Pate, Professor, Department of Botany, University of Western Australia, Nedlands, Western Australia, Australia

Thomas B. Rice, Director, Plant Genetics Research, Pfizer, Inc., Groton, Connecticut

Thomas J. Wacek, Director of Inoculant Research, North American Plant Breeders, Princeton, Illinois

#### Bio-Technology, Agriculture & the Public Interest

##### Participants

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Jan Flora, Professor, Department of Sociology, Anthropology, and Social Work, Kansas State University, Manhattan, Kansas

#### Bio-Nitrogen Fixation Technology

##### Participants

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#### Bio-Technology, Agriculture & Public Interest

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#### Biological Nitrogen Fixation Policy Issues

##### Participants

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Christopher Stearn, Soil Microbiologist, INTSOY Program (University of Illinois), University of Puerto Rico, Mayaguez, Puerto Rico

Deane Weber, Sr Microbiologist, Cell Culture & Nitrogen Fixation Lab, USDA/SEA, Beltsville, Maryland

#### Critical Perspectives on World Food/Agriculture

##### Participants

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Patricia Flynn, Professor, Center for the Study of the Americas, Berkeley, California

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Bruce H. Jennings, Professor, Department of Community and Family Development, University of Maryland, College Park, Maryland

Michael Taussig, Professor, Department of Anthropology, University of Michigan, Ann Arbor, Michigan

##### Food Security Briefing

Gil Reyes Rodriguez, Acting Chief, Economic Research Division, Bureau of Agricultural Economics, Quezon City, Philippines

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## Food Systems

### Participants

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## Impact Analysis of Development Projects

### Participants

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Frank Wilbur Young, Professor, Department of Rural Sociology, Cornell University, Ithaca, New York

### Political Transformation & Agrarian Reconstruction

#### Participants

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Michael Scott, Staff, Oxfam America, Boston, Massachusetts

#### Population & Agricultural Development

##### Participant

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#### Strategic Resources in Irrigation Development

##### Participant

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#### RAW MATERIALS SYSTEMS

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#### Petroleum Resource Assessment Symposium

##### Participants

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#### RESOURCE MATERIALS COLLECTION

##### Participant

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#### SPECIAL PROGRAMS

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### Asia Pacific Energy Studies Group Meeting V

#### Participants

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#### Organizational Meeting for BNF Project

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Tresa A. Bass, Assistant to the Executive Secretary, Research Grants, National Academy of Sciences, Washington, D.C.

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Michael P. Greene, Executive Secretary, Committee on Research Grants, National Academy of Sciences, Washington, D.C.

Jake H. Halliday, Sr. Microbiologist/Project Director, University of Hawaii, Paia, Hawaii

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David L. McNeil, Assistant Project Director, NifTAL Project, University of Hawaii, Paia, Hawaii



Victor Morales, IVITA, National University of San Marcos, Lima, Peru

S. O. Okeya, Chairman, Department of Soil Science, University of Nairobi, Nairobi, Kenya

Carlos Ramirez, Associate Professor, Centro de Investig Agron, University of Costa Rica, San Pedro, Costa Rica

Benjavan Rerkasem, Professor, Faculty of Agriculture, Chiang Mai University, Chiang Mai, Thailand

Roger Revelle, Professor of Science & Public Policy, University of California, San Diego, La Jolla, California

Padma Somasagaran, Microbiologist, NIFTAL Project, University of Hawaii, Paia, Hawaii

# Communication Institute

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Jack Lyle, Director

Communication activities and technologies are essential to development at the individual, national, and international levels. An exciting array of new telecommunications technologies are bringing about a new era, the "Age of Communication." They are changing the operation of businesses, schools, and government agencies as well as the mass media. They are broadening the opportunities for people in different countries to interact, share, and cooperate in all these areas. The East-West Communication Institute helps develop knowledge about and understanding of the ways these technologies can be used to improve cultural and technical exchange within and between nations.

Technologies such as communications satellites and computers offer the nations of the Pacific and Asia an opportunity to "leap frog" in building a wide range of services and programs essential to their development. The ability of these technologies to span great distances can be used by all nations to create closer, more effective communications ties.

Because of their reach, cost, and possible effects, these new technologies have become the focus of international contention as well as cooperation. The challenge of the Age of Communication is to achieve equitable access to and use of these technologies by all nations in ways that are compatible with individual national cultures and organization.

The Communication Institute provides comparative analyses of telecommunications systems, their organization, use, and impact as related to national development and international relations. It also provides educational and training opportunities for persons pursuing or planning careers related to the use of communications for national development.

The Institute has created a unique collaborative network in the Asian and Pacific region for promoting the development of indigenous research and training. Its work involves the active participation of communications planners, users, and academics in the nations of the Center's mandated area.

## ACCOMPLISHMENTS

Teleconferences, data collection in Indonesian villages, journalism exchanges with China, and collaborative programs with institutions in Japan, Thailand, Indonesia, and the United States highlighted CI activities in FY82.

The year began with a workshop, Communication Satellites in a Developing World. Key administrators from India, Indonesia, Mexico, Nigeria, and the Philippines participated in this program funded by the National Telecommunications and Information Administration of the United States Department of Commerce. The program included field visits to



telecommunications installations on the U.S. mainland. The Annenberg School of Communication of the University of Southern California coordinated the activities on the West Coast while the Academy for Educational Development handled arrangements in the Washington area. Both audio and video teleconferences were included in the activities, which culminated with satellite interaction among the participants in Honolulu with people in Washington, Los Angeles, and Delhi.

This workshop provided a foundation for CI's future education and training activities focusing on the new telecommunications technologies, their potential for supporting development programs, and the national and international policy considerations they generate.

CI and the University of Hawaii's Department of Communication jointly organized a January workshop, "Telecommunications in the Pacific: Past, Present and Future." This was offered in conjunction with the Pacific Telecommunication Council's annual meeting in Honolulu. Participants in the workshop received graduate course credit from UH. The success of the workshop stimulated CI and PTC to embark upon cooperative plans for more intensive workshops both in Honolulu and elsewhere.

Another activity that was coordinated with the PTC 1982 meeting was the Workshop on Communication Policy. Policymakers and scholars from Australia, India, Indonesia, Malaysia, the Philippines, Thailand, and the United States worked out a design for collaborative research on policy issues. CI will provide coordination for carrying out the resulting research activities.

"The Communication Revolution" was the subject of CI's Annual Communication Seminar. The closing meeting of the seminar featured a video teleconference with a panel of government officials in Washington as well as some eighty participants at the World Futures Society Fourth Congress, which was being held in Washington.

For five years CI has been working with Indonesian scholars to study the impact of introducing television in the villages of Indonesia. This work, with major funding from the government of Indonesia's Department of Communication, moved into its final phase in January, 1982, with a round of data collection in five provinces. Preliminary reports on the data analysis are expected to be released early in 1983.

As part of this collaboration, CI joined with the Indonesian Department of Communication in hosting a seminar, "Satellite Television and Development." This Jakarta meeting promoted sharing of information among officials and scholars from Indonesia, India, Malaysia, Philippines, Singapore, and Thailand, as well as Australia, Korea, and the United States.

Three other collaborative workshops or seminars were held in Asian countries:

(1) CI and the University of Tokyo cofunded a December meeting in Yokohama, "Communication Theory from Eastern and Western Perspectives." This was a follow-up to a 1980 meeting in Honolulu.

(2) CI organized a three-week workshop in January on use of broadcast media for distance teaching held in Jogjakarta, Indonesia. This was funded by US/AID, the government of Indonesia, Stanford University, and the Asia/Pacific Institute for Broadcast Development.

(3) CI helped organize a meeting that Chiang Mai University in Thailand hosted on its campus in April. The meeting laid groundwork for organizing a consortium of Thai universities and colleges to facilitate collaborative research and educational activities. CI staff and representatives from the University of Hawaii and USC's Annenberg School played a major role in the discussions.

Xinhua, the New China News Agency, hosted five of the 1982 Jefferson Fellows for a two-week program in China. The journalists, from Nepal, Papua New Guinea, Singapore, and the United States, were part of a larger group of economic and business reporters spending four to six months expanding their background knowledge about economic issues in the Pacific. The other three Jefferson Fellows, from China, India, and Japan, did their field study on the U.S. Mainland.

Young journalists from Xinhua, China Daily (China's new English language daily), and Fudan University, came to Honolulu for a nine-month intensive program of professional training organized by the University of Hawaii's Journalism Department. The Parvin and Gannett Foundations provided much of the funding for this program in which CI participated by providing logistical support as well as seminars on the media in American society and comparative media systems.

Another facet of communication activities was explored in an April conference, "Knowledge Utilization." Two dozen scholars and program administrators working in agriculture, health, and other development fields explored problems and shared experiences on how to translate results of research into action programs.

Fifty-seven students participated in the Institute program during the year, including four joint doctoral research interns who were pursuing degrees at the University of Hawaii. Three students finished their doctoral degrees—one each in the fields of political science, sociology, and anthropology. Seventeen students completed master's degrees, in fields including communication, educational communication and technology, public health, information and computer science, library science, and Asian studies. Among the student research studies completed were Robert Borofsky's Ph.D. dissertation in anthropology, "Making History: The Creation of Traditional Knowledge in Pukapuka, a Polynesian Atoll"; and master's theses by Mirella Gotango, "The Research, Development, Demonstration and Diffusion of Nonconventional Energy Innovations in the Philippines: The NonCom Center, A Case in Point," and by Dwight Whitney, "An Emergency Pacific Telecommunity: Communication Policy, Process and Indicators."



## PROJECTS

The work of the Institute in 1981-82 was organized in four projects.

### Jefferson Fellows

Journalism-related education and research was coordinated within this project, together with the Institute's cosponsorship of the Pacific Islands Communication Journal, a joint project with the Pacific Islands News Association (PINA) and the Pacific Islands Study Program of the University of Hawaii. Jack Lyle coordinated this project with assistance from Jim Richstad and Wimal Dissanayake. A particularly important role was played by CI Fellow Frederick T.C. Yu of Columbia University.

### Effects of Telecommunications Systems

This project provided a research focus on various problems related to the effects of mass media and other telecommunications systems on societies, their populations, and institutions. It included the development of educational and training programs to develop research staff in indigenous institutions as well as substantive content for university-level courses. Godwin Chu was leader of the project team, which also included Andrew Arno, Elizabeth Buck, Hidetoshi Kato, Larry Kincaid, Jack Lyle, and Georgette Wang.

### Communication Policy and Planning

There is a growing recognition of the need for planning related to the choice and use of telecommunications systems at various levels of government as well as within institutions. This includes a better understanding of the dimensions and operation of the information sector within national economies as well as conflicting interests and needs of First and Third World nations. This project coordinated a comprehensive program of collaborative research to expand the resources available to policymakers and planners. The project team consisted of Syed A. Rahim (project leader), George Beal, Meheroo Jussawalla, and Garrett McDowell.

### Communication Education

This project had the dual function of coordinating the education and training activities of the Institute while also engaging in expanding knowledge about the use of telecommunications systems in support of education. In connection with the first function, it was responsible for the Annual Communication Seminar as well as supervision of the production of publications and audio-visual materials. As part of the second, it had undertaken bibliographic search and synthesis on distance teaching. Clayton Vollan was leader of the project team, which also included Wimal Dissanayake and Jack Lyle.

## COMMUNICATION INSTITUTE

### Staff

#### Director

Jack Lyle, PhD Mass Communication Research, Stanford University, 1959. Was a member of the journalism faculty at UCLA for 13 years. Came to the East-West Center in 1975 from the Corporation for Public Broadcasting in Washington, where he had been director of audience research. Is presently a member of the affiliate graduate faculty of the Educational Communication and Technology Department at the University of Hawaii. Has served as assistant director for worldwide study of the use of radio and television for instruction, a UNESCO project. His books and articles cover the range of media problems but he has given special attention to the impact of television on audiences. Is project leader for the Jefferson Fellows.

#### Assistant Director for Participants/Research Associate

Wimal Dissanayake, PhD Traditional Media, University of Cambridge, 1969. Head of the Department of Mass Communication, University of Sri Lanka prior to joining the Institute. Has been Visiting Fulbright Research Scholar at the University of Pennsylvania, an award-winning radio broadcaster, and a working newspaper journalist.

#### Assistant Director for Education/Research Associate

Clayton Vollan, PhD Educational Communication and Technology, University of Washington, 1971. Joined the Institute after serving as United Nations advisor for communication and training to the Ministry of Health in Turkey. Has taught at the University of British Columbia, the University of Hawaii, and the University of Washington. Is project leader for Communication Education.

#### Research Associates

Andrew Arno, PhD Social Anthropology, Harvard University, 1974 and JD from the University of Texas, 1969. Joined the Institute in 1977 after being on faculties of John Jay College of Criminal Justice, City University of New York, and the University of Rhode Island. Has done extensive anthropological field research in Fiji. Joined the Pacific Island Development Program at the end of FY82.

George M. Beal, PhD Sociology, Iowa State University, 1953. Charles F. Curtiss Distinguished Professor in the Department of Sociology and Anthropology at Iowa State before coming to the Institute as half-time research associate in 1977. Has had extensive overseas experience in India and Thailand. Research interests include organizational coordination and communication planning. Is project leader for Transnational Knowledge Utilization.

Elizabeth Buck, MA University of Hawaii, 1967 and PhD Program in Political Science, University of Hawaii. Coordinated the Synthesis of Population Communication Experience project. Currently working on the Effects of Telecommunications on Society, and Communication and Culture.



Godwin C. Chu, PhD Communications, Stanford University, 1963. Prior to joining the Institute in 1974, was professor of communication and director of Graduate Journalism Research Program at Southern Illinois University. Author of several books, monographs, and articles on role of communication for development, particularly in China. Is project leader for Effects of Telecommunications Systems.

Meheroo Jussawalla, PhD Economics, Osmania University, 1964. Came to the Institute in 1978 after teaching at St. Mary's College in Maryland. Has taught and lectured in the United States, Germany, and India. From 1949-75, was on the faculty of Osmania University, India, and was Dean of the Faculty of Social Sciences. Has published widely in the field of development economics and economics of communication.

D. Lawrence Kincaid, PhD Communication, Michigan State University, 1972. Has been a member of the Institute's staff since 1972. His major publications concern network analysis and convergence theory. Current research focuses on transnational migrants and inter-cultural convergence, television socialization, and communication theory. Is project leader for Communication Process and Context. Currently seconded to the State University of New York at Albany.

S. Garrett McDowell, PhD Political Science, University of California at Berkeley, 1975. Has taught at the University of California at Berkeley and at Davis. Prior to joining the Institute in 1977, was on the faculty of the Department of Political Science at Western Illinois University. Was translator/analyst in Chinese affairs with the U.S. Department of Defense (1966-69). His research interests include communication policy and planning, uses of communication and decision-making, and the implementation and uses of communication systems for societal change. Resigned in August, 1982.

John M. Middleton, EdD Educational Planning, Harvard University, 1974. Former executive director of Program and Training Council of ACTION Peace Corps. Has served as special assistant to director of Peace Corps, and as Peace Corps volunteer and staff in Korea and Micronesia. His recent research and publications have focused on innovative education, instructional television, and communication planning. Has directed the Population Education and Modular Professional Development projects since joining the Institute in 1972. Holds a graduate affiliate faculty appointment in the Department of Educational Communication and Technology, University of Hawaii. Resigned in June, 1982.

Syed A. Rahim, PhD Communication, Michigan State University, 1968. Was chief of Rural Institution Section in Bangladesh Planning Commission before joining the Institute in 1974, and participated in formulating that country's first five-year plan. Directed research in the Comilla Academy for Rural Development from 1963-71. Is project leader for Communication Policy and Planning.

Jim Richstad, PhD Mass Communication, University of Minnesota, 1967. Has experience as a journalist and taught journalism at the University of Washington and the University of Hawaii before joining the Institute in 1970. Research interests include international communication policy and news communication in the Pacific Islands. Resigned in September, 1982.

Georgette Wang, PhD Journalism, Southern Illinois University, 1977. Has taught at Shu Ren and Chu Hai Colleges in Hong Kong and National Chengchi University in Taiwan. Also worked as a newspaper journalist and was a managing editor for a magazine. Research interests include indigenous communication, intercultural communication, and audience research. Resigned in June, 1982.

#### Consultant to the Institute

Wilbur Schramm, Director-emeritus of the East-West Communication Institute, and former Distinguished Center Researcher. Was educated at Harvard and the University of Iowa, where he received a PhD in 1932. Formerly Janet M. Peck Professor of International Communication, and director of the Institute for Communication Research, Stanford University. Has done research on four continents. Of his more than 20 books and 100 articles, many have been translated into both European and Asian languages.

#### Adjunct Research Associates

Fred Hung, PhD 1955, Washington. Professor of Economics, University of Hawaii.

Sarah King, PhD 1965, Southern California. Associate Professor of Communication, University of Hawaii.

Dennis Ogawa, PhD Speech, University of California, Los Angeles, 1969. Professor, Department of American Studies, University of Hawaii.

#### Professional/Administrative

Merry Lee Corwin, MA American Studies, University of Hawaii, 1977. Program Officer. Has worked extensively in various countries of Southeast Asia, including serving as head of the Office of Information at the International Rice Research Institute, Philippines, and as information advisor to USAID/-Philippines. Joined the Institute in 1971.

Carolyn Ikeda, BA Education, University of Hawaii, 1971. Administrative Officer. Previously worked with the University of Hawaii Center for Korean Studies and Multi-Cultural Center of the Hawaii Foundation for History and Humanities. Resigned in December, 1981.

Sumiye Konoshima, MA Social Psychology, Columbia University, 1957 and MLS Library Studies, University of Hawaii, 1973. Resource Materials Specialist. Joined staff of East-West Center Library in 1963. Was librarian for administration and special projects until 1971. Coordinated and participated in conferences/workshops on documentation and information networking. Consultancies on development of information resource centers, information networking, and documentation. Publications include bibliographies, directories and papers on information networks/documentation, and information use.

Terry Schulze, BA Biology and BA Journalism, University of Hawaii, 1970. Publications Officer. Worked as a research associate in a medical school, a newspaper reporter, a television news script writer, a technical editor,



and a medical editor. Before coming to the Center in March 1979, was a publications editor for the University of California at San Francisco. Several of her publications won citation awards in a national competition held by the Council for the Advancement and Support of Education (CASE).

Margaret White, MA Asian Studies, University of Hawaii, 1970. Program Officer. Has been with the Institute since 1972. Holds BA in Journalism and has also undertaken further graduate study in anthropology. Worked as a reporter for the Associated Press before joining the East-West Center staff. Studied Chinese in Taiwan in 1969 while on a East-West Center grant.

## PUBLICATIONS AND OTHER PRODUCTS

### BOOKS

Alfian and Godwin C. Chu, Satellite Television in Indonesia. A joint publication with the Indonesian Institute of Sciences, National Institute of Economics and Social Research (LEKNAS/LIPI). Honolulu: East-West Center, 1981. vii, 211 pp. Softcover, \$6.

Jussawalla, Meheroo, and Don Lamberton, editors, Communication Economics and Development. New York: Pergamon Press, 1982. 355 pp. \$30.

Schramm, Wilbur, A Sampler of Distance Education. Duplicated at EWCI for primary use at Indonesian workshop, December 1981. 134 pp.

Schramm, Wilbur, Men, Women, Messages, and Media (2nd edition of Men, Messages, and Media). New York: Harper and Row, 1982. 278 pp.

### SERIAL PUBLICATIONS

#### Paper Series

EWCI papers are scholarly essays on various communication-related topics written by EWCI staff and participants.

20, Global Processes and the World in the 1980s: Prolegomenon I for GPID World Model, by Johan Galtung. September 1982. 32 pp. \$1.

#### Preprints

Runeborg, Ruth E., "The Marshall Islands: History, Culture and Communication." March 1982. 48 pp.

#### Pacific Islands Communication Journal

A journal that covers communication developments of significance to the peoples and nations of the Pacific Islands. Edited by Jim Richstad.

Vol. 10, No. 4, October 1981, 68 pp.

Vol. 11, No. 1, May 1982, 94 pp.

### OCCASIONAL AND EXTERNAL PUBLICATIONS

#### Journal Articles

Chu, Godwin C., and Leonard L. Chu, "Parties in Conflict: Letters to the Editor of the People's Daily." In Journal of Communication, No. 4, 1981, pp. 74-91.

Jussawalla, Meheroo, "The Future of the Information Economy." In Shimbun Kenkyujo Nempo, Keio University Journal, Tokyo, Japan, October 1982.



Jussawalla, Meheroo, and George Beal, "Whither Cancun? In Search of a Paradigm." In The Communicator, Quarterly Journal of the Indian Institute of Mass Communication, Vol. XVII, No. 2 and 3, April and July 1982.

Jussawalla, Meheroo, and Chee-Wah Cheah, "Towards an Information Economy: A Case Study of Singapore." In Information Economics and Policy, Vol. 1, No. 1, North Holland, Amsterdam.

Mercado, Orly S. and Elizabeth B. Buck, "Media Imperialism in Philippine Television." In Media Asia, Vol. 8, No. 2, 1981.

Muramatsu, Yasuko, "Images of Man and Woman in Japanese TV and Sex-Role Attitude of People: Based on a Comparative Study of Five Countries on TV and Sex role socialization." In Hosa Bunka Foundation Newsletter, No. 14, May 1982, pp. 14-26.

Richstad, Jim, "Television in Fiji: Experts, Studies, Debates." In Pacific Islands Communication Journal, Vol. 10, No. 4, October 1981, 4 pp.

Tehrani, Majid, "International Communication: A Dialogue of the Deaf?" In Political Communication and Persuasion, Vol. 2, No. 1, 1982.

Yum, June Ock, "Communication Diversity and Information Acquisition among Korean Immigrants in Hawaii." In Human Communication Research, Vol. 8, No. 2, Winter 1982.

#### Book Chapters

Beal, George, "An Example of Sociological Research: Adoption of Agricultural Technology by the Queche Indians in Guatemala." In Farming Systems Research and Development, Guidelines for Developing Countries, edited by W.W. Shaner et al. Boulder: Westview Press, 1982. (Beal is also listed in the book as a consultant.)

Lyle, Jack, "Since 1967: The Original Case Studies Reviewed." In Organizing Educational Broadcasting, edited by David Hawkrige and John Robinson, pp. 285-98. Paris: UNESCO Press, 1982.

Middleton, John, George Beal, and Melina Pugne, "The Use of Economic Concepts in Communication Planning Practice: An Analysis of Six Agencies in Five Countries." In Communication Economics and Development, edited by Meheroo Jussawalla and D.M. Lamberton, 37 pp. Elmsford, New York: Pergamon Press, Inc., 1982.

Schramm, Wilbur, preface to Comparative Communication, by Alex Edelstein. Beverly Hills: Sage Publications, 1982.

#### Report

Alfian, S. Budhisantoso, Godwin C. Chu, Jack Lyle, and Wilbur Schramm, Mass Media and Development in Indonesia. Honolulu: East-West Center, 1982. 164 pp. \$6.

## Brochures

"Sunshine in Hawaii: Questions and Answers on the Open Meetings and Public Records Law," Jim Richstad, principal author and coproducer of publication prepared under auspices of the Sunshine Law Coalition of Hawaii. January 1982.

## 1982 Publications List, East-West Communication Institute.

Poster-size folded brochure.

## Interview

Wilbur Schramm interview in NHK Report on Broadcast Research, March 1982, pp. 13-18 (in Japanese).

## UNPUBLISHED PRODUCTS

### Conference Papers and Public Presentations

Buck, Elizabeth B., "Localized Communication Planning for Family Planning Programs." Paper presented at the National Workshop on Training in Communication for Health and Family Welfare. Delhi, India, August 2-7, 1982.

Gallagher, Margaret, "Television Content and Gender: What it Portrays and How it is Perceived." Paper presented at the Conference of the International Association of Mass Communication Researchers. Paris, September 1982.

Jussawalla, Meheroo, "The Policy Relevance of the Concept of an Information Economy and of an International Socio-Economic Information System." Paper for Policy Research Agenda Workshop. 35 pp.

Jussawalla, Meheroo, "The Impact of Economics on Knowledge Utilization Systems." Submitted to the Conference on Knowledge Utilization, EWCI. 20 pp.

Kincaid, D. Lawrence, "Communication Technology and Cultural Diversity." Paper presented at conference on Communication, Culture, and Society, sponsored by the Fulbright program. Dubrovnik, Yugoslavia, September 12-16, 1982.

Muramatsu, Yasuko, "Images of Male and Female in TV Drama: A Comparative Study among Five Countries." Paper presented at the annual meeting of the Japanese Society for Studies in Journalism and Mass Communication. Tokyo, Japan, November 1981.

Muramatsu, Yasuko, "Japanese Television Drama: Its Characteristic Subject Matter and Manners of Expression Employed by Characters." Paper presented at the Second symposium on Communication Theory from Eastern and Western Perspectives. Yokohama, Japan, July 20-23, 1982.



Rahim, Syed A., "Telecommunication Technology and Policy--the Case of Satellite Communication." Presented at the Workshop on Communication Policy Research, Communication Policy Project.

Schramm, Wilbur, "Lectures for China." Now translated into Chinese to be delivered and published.

Schramm, Wilbur, report to sponsors of Indonesia Workshop on Distance Teaching. 18 pp.

Schramm, Wilbur, lecture, "The Power of Television."

Schramm, Wilbur, "Selecting Media for Instruction," "Some Historic Studies on Media for Development," "Teaching with Satellites," "Teaching with Television," and "Some Notes on Media and Distance Teaching." Lectures given in China.

Schramm, Wilbur, lectures, "A Review of Distance Education around the World," "Some Problems of Distance Education," and "Why Distance Education." Duplicated and circulated in Indonesia. January, 1982.

#### MA Thesis

Fajaro, Carol, "The Image of the Filipino Male: Perceptions of a Selected Urban Audience and Television Drama Portrayals." Institute of Mass Communications, University of the Philippines. April 1982.

## PROJECT PARTICIPANTS

### COMMUNICATION EDUCATION

#### Fellows

Norman Abramson, Professor of Information & Computer Science, University of Hawaii, Honolulu, Hawaii

Benjamin Akpati, Director of Marine Research, Ministry of Science & Technology, Lagos, Nigeria

Achmad Amiruddin, Rektor, Universitas Hasanuddin, Ujung Pandang, Indonesia

Emmanuel Ayodele Amoma, Deputy Director of Operations, Federal Ministry of Telecommunications, Lagos, Nigeria

Bhupendra Singh Bhatia, Scientist/Engineer, Space Applications Center, Ahmedabad, India

Frederick N. Brown, Foreign Service Officer, South Asia Bureau, Voice of America, New Delhi, India

Laura Diaz de La Garza, Project Coordinator, Television de la Republica Mexicana, Mexico D. F., Mexico

Trilok N. Dhar, Joint Director, National Council of Educational Research & Training, New Delhi, India

Zenaida T. Domingo, Project Director, Educational Communication Office, Ateneo de Manila University, Manila, Philippines

Grace Egbagbe, Director of Programs, Nigerian Television Authority, Lagos, Nigeria

Ronald G. Havelock, Director, Knowledge Transfer Institute, Washington, D.C.

Susan Irwin, Special Assistant to the President, National Information Utilities Corporation, McLean, Virginia

John Albarillo Lauengco, Vice President for Marketing, Philippine Domestic Satellite, Inc., Metro Manila, Philippines

Josefina Patron, Director, Office of Planning & Development, National Media Production Center, Quezon City, Philippines

Rollin, Deputy Director General, Posts and Telecommunications, Jakarta, Indonesia

Saundararajan Sathyam, Joint Secretary, Ministry of Education & Culture, New Delhi, India



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Majid Tehranian, Professor of Communication, University of Hawaii,  
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#### Research Interns

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Sirimon Wilairat, Research Officer, National Family Planning Program,  
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#### Students

Kirk Eric Bergstrom, California, MA, Political Science

Douglas George Bond, Minnesota, PhD, Political Science

Michele Elizabeth Chan, New York, MPH, Public Health

King Yong Chin, Malaysia, MBA, Business Administration

Colin Albert Fries, Hawaii, MLS, Library Studies

Ma. Mirella de Zuniga Gotangco, Philippines, MA, Communication

K.A.K. Sarath Gunatilake, Sri Lanka, PhD, Public Health

Debra Lynn Hughes, Colorado, MPH, Public Health

Rocharek Laksaniyanon, Thailand, MEd, Educational Communication &  
Technology

Margaret Josephine Obi, Papua New Guinea, MLS, Library Studies

Celia Jean Ogden, Washington, D.C., MPH, Public Health

Shing Bai Park, Republic of Korea, MA, Communication

Laura Dell Sherrill, Florida, MPH, Public Health

Kenneth Warner Tull, Oklahoma, MPH, Public Health

Jong-Jen Henry Wu, Taiwan, China, MEd, Educational Administration

Xu Yu, China, MA, Communication

#### Annual Communication Seminar

#### Participants

Ma. Elizabeth Ascue, Jr Presidential Staff Officer, Presidential Management Staff, Manila, Philippines

Piyarad Awnglaaw, Chairperson, Mass Communication Documentation Center, Thammasat University, Thailand

Baharuddin Aziz, Lecturer in Broadcasting, Mara Institute of Technology, Shaha Alam, Selangor, Malaysia

Donald R. Bewley, Director, Center for University Extramural Studies, Massey University, Palmerston North, New Zealand

Isprajin Brotowibowo, Editor, "Majalah Mahasiswa", Direktorat Kemahasiswaan, Jakarta, Indonesia

Jei-cheng Cheng, Associate Professor, Graduate School of Journalism, National Changchi University, Taipei, Taiwan, China

Tony Keulemans, Acting Dean/Principal Lecturer, Social & Behavioral Studies, Caulfield Institute of Technology, Victoria, Australia

Kevin T. Livingston, Coordinator, Extension Studies, University of the South Pacific, Suva, Fiji

Hideo Miyashita, Senior Researcher, Nomura Research Institute, Kanagawa, Japan

Ronald E. Ostman, Assistant Professor, Department of Communication Arts, Cornell University, Ithaca, New York

Usha V. Reddi, Lecturer in Journalism, Department of Communication & Journalism, Hyderabad, India

Deanna M. Robinson, Director of Graduate Study, Department of Speech, University of Oregon, Eugene, Oregon

Ramona R. Rush, Professor of Communications, University of Kentucky, Lexington, Kentucky

Aditya Man Shrestha, Deputy General Manager, Gorkhapatra Sanathan, Kathmandu, Nepal



John D. Stevens, Professor of Communication, University of Michigan, Ann Arbor, Michigan

James F. Szafranski, Assistant Professor of Social Science, Guam Community College, Tamuning, Guam

Graham A. Wagner, Senior Research Officer, New Zealand Council for Education Research, Wellington, New Zealand

Dennis L. Wilcox, Professor, Department of Journalism, San Jose State University, San Jose, California

Woo-hyun Won, Chairman, Department of Mass Communication, Korea University, Seoul, Korea

#### Chinese Journalism Education Conference

##### Participants

He-gao Chen, Sub-editor, Xinhua News Agency, Beijing, China

Jian-de Chen, Teaching Assistant, Department of Journalism, Fudan University, Shanghai, China

Yuejin Cui, Reporter, China Daily, Beijing, China

Jun Jing, Reporter, China Daily, Beijing, China

Xing Li, Reporter, China Daily, Beijing, China

Wei-bing Tan, Sub-editor, Xinhua News Agency, Beijing, China

Gang Yi Wang, Reporter, China Daily, Beijing, China

Guang Yang, Reporter, China Daily, Beijing, China

Jian-Zhoung Yu, Teaching Assistant, Department of Journalism, Fudan University, Shanghai, China

Ling Zhu, Reporter, China Daily, Beijing, China

#### Communication Education

##### Participants

Gary O. Coldevin, Associate Professor, Graduate Program in Educational Technology, Concordia University, Montreal, Canada

Anne B. Hines, Educational Specialist, Massey University, Palmerston North, New Zealand

Bruce McKenzie, Lecturer-in-Charge, Research & Applied Studies, Warrnambool Institute of Advanced Education, Warrnambool, Victoria, Australia

Everett M. Rogers, Professor, Institute for Communication Research, Stanford University, Stanford, California

Ellen Wartella, Professor, College of Communications, University of Illinois, Champaign, Illinois

### Workshop on Distance Teaching

#### Participants

Mochamad Adnan, Associate Professor, Gadjah Mada University, Jogjakarta, Indonesia

Sutan Lanti Arbi, Professor of Education, IKIP, Padang, Indonesia

Imam Barnadib, Private University Coordinator, Region IV Jogjakarta, Indonesia

Utju Ali Basya, Dean, Faculty of Education, Syiahkuala University, Banda Aceh, Indonesia

Gasjaraj Dhanarajan, Department Director, Off Campus Academic Programs, University Sains Malaysia, Penang, Malaysia

Darlis Djosan, Staff Member, Directorate of Community Education, Ministry of Education & Culture, Jakarta, Indonesia

Abdul Gafur, Lecturer/Chief of Educational Media, IKIP, Yogyakarta, Indonesia

Anwar Hafid, Director, Center for Rural & Population Research, Hasanuddin University, Ujung Pandang, Indonesia

Anung Haryono, Head of Program Development, Center for Educational Communication (Pusat TKPK), Jakarta, Indonesia

Euwadee Kanjanaothiti, Dean, School of Home Economics, Sukhothai-Thumathirat University, Sukhothai, Thailand

Koyo Kartasurya, Head of Planning Division, Pusat TKPK, Jakarta, Indonesia

Chandra Kala Kiran, Chief, Curriculum Textbook & Supervision Development Center, Ministry of Education & Culture, Kathmandu, Nepal

Rufinus Lahur, Staff, CSIS (Education & Communication), Jakarta, Indonesia

Greta Librata, Lecturer, Faculty of Social Sciences, University of Indonesia, Jakarta, Indonesia

Jeremias Marpaung, Head, Subdirector of Educational Innovation, Ministry of Education & Culture, Jakarta, Indonesia



M.M. Sudarmi Murwani, Staff, Center for Educational Communication (Pusat TKPK), Jakarta, Indonesia

Albert Nikijuluw, Lecturer, Pattimura University, Ambon, Indonesia

Paturungi Parawansa, Lecturer, Institute of Teacher Training (IKIP), Ujung Pandang, Indonesia

Ir Reka Rio, Lecturer/Manager R & D, Central Educational Communication Technology, ITB Lab, Bandung, Indonesia

Setijadi, Professor of Education, Institute for Teacher Education (IKIP), Jakarta, Indonesia

Suryati Sidharto, Lecturer, IKIP, Yogyakarta, Indonesia

Soedijarto, Advisor to the Minister, Ministry of Education & Culture, Jakarta, Indonesia

Soemartono, Head, Subdirector of Educational Media Standardization, Directorate of Educational Facilities, Jakarta, Indonesia

Gatot Andoko Subardjo, Head, Division of R & D, Radio & TV Production Technology, Department of Information, Jakarta, Indonesia

M.S. Slamet Sudarman, Head of Educational Media Unit, IKIP, Semarang, Indonesia

Sudirdjo Sudarsono, Head of Production Division, PTKPK, Jakarta, Indonesia

Priyahutama Sudjas, Staff to Directorate of Community Education, Ministry of Education & Culture, Jakarta, Indonesia

Mohamad Surya, Lecturer, IKIP, Bandung, Indonesia

Anwar Syah, Head, Educational Technology & Learning Research Center, IKIP, Medan, Indonesia

M.S. Wuryadi, Lecturer, IKIP, Yogyakarta, Indonesia

#### Knowledge Utilization Theory & Methods

##### Participants

Eric Abbott, Professor, Department of Journalism & Mass Communication, Iowa State University, Ames, Iowa

Joe Ascroft, Professor, School of Journalism, University of Iowa, Iowa City, Iowa

John Brien, Sr. Lecturer in Agricultural Extension, Sydney University, New South Wales, Australia

Rogelio V. Cuyno, Director, Applied Communication Division, Council for Agriculture & Resources Research, Los Banos, Philippines

William N. Dunn, Professor, School of Business, University of Pittsburgh, Pittsburgh, Pennsylvania

Salem Gafsi, Evaluation Analyst, Operations Evaluation, World Bank, Washington, D.C.

Ronald G. Havelock, Director, Knowledge Transfer Institute, Washington, D.C.

Judy Larsen, Researcher, American Institute for Research in the Behavioral Sciences, Palo Alto, California

Herbert Lionberger, Professor, Department of Rural Sociology, University of Missouri, Columbia, Missouri

Kouichi Ogawa, Associate Professor, Department of Communications, Tokai University, Kanagawa, Japan

Robert Rich, Woodrow Wilson School, Princeton University, Princeton, New Jersey

Jack Rothman, Professor, School of Social Work, University of Michigan, Ann Arbor, Michigan

John Tait, Professor, Department of Sociology & Anthropology, Iowa State University, Ames, Iowa

John L. Woods, Director, Development Training & Communication Planning, Bangkok, Thailand

#### Professional Journalist Training Program

##### Participants

Zhang-hong Chen, Sub-Editor, Xinhua News Agency, Beijing, China

Ding Gao, Reporter, China Daily, Beijing, China

Jianjun Jiang, Reporter, China Daily, Beijing, China

Wen Yun Li, Staff Correspondent, People's Daily, Beijing, China

Xixian Liu, Reporter, China Daily, Beijing, China

Baogen Miao, Sub-Editor, Xinhua News Agency, Beijing, China

Jianguo Ren, Teaching Assistant, Department of Journalism, Fudan University, Shanghai, China

Meidi Wang, Teaching Assistant, Department of Journalism, Fudan University, Shanghai, China



Wei Xia, Reporter, China Daily, Beijing, China

Jianmin Zhang, Reporter, China Daily, Beijing, China

Wei Zheng, Reporter, China Daily, Beijing, China

#### EFFECTS OF TELECOMMUNICATION SYSTEMS IN SOCIETY

##### Fellows

Alfian, Director, National Institute for Cultural Studies, Jakarta Pusat, Indonesia

Isao Araki, Assistant Professor, Faculty of Sociology, Bukkyo University, Kyoto, Japan

Erwin Atwood, Professor, School of Journalism, Southern Illinois University, Carbondale, Illinois

John Middleton, Director of Planning Services, Academy for Educational Development, Washington, D.C.

Wilbur Schramm, Director Emeritus, Communication Institute, East-West Center, Honolulu, Hawaii

Yasushi Yamamoto, Research Associate, The University of Tokyo, Tokyo, Japan

##### Research Interns

Charles Anderson, Graduate Student, University of Georgia, Athens, Georgia

Eugene Lee, Graduate Student, Department of Psychology, University of Hawaii, Honolulu, Hawaii

Miftah Wirahadikusumah, Research Associate, LEKNAS-LIPI, Jakarta, Indonesia

Hayato Yamanaka, Researcher, Communication Design Institute, Kyoto, Japan

Hiroko Yasuda, Graduate Student, University of Hawaii, Honolulu, Hawaii

##### Students

Sione Tu'itavake Fusimalohi, Tonga, MA, Communication

Soon Jeong Hong, Korea, PhD, Educational Psychology

Tsun-yin Luo, Taiwan, China, MA, Communication

Rusdi Muchtar, Indonesia, MA, Communication

Mochtar Pabottingi, Indonesia, PhD, Political Science

Richard Michael Philson, California, MA, ESL (English as a Second Language)

Ma. Victoria Pinpin, Philippines, MA, Communication

Symposium on Satellite Telecommunications & Development

Participants

Zainal Abidin bin Haji Abu, Programmes Controller, Radio Television Malaysia, Kuala Lumpur, Malaysia

Peter S.J. Chen, Head, Department of Sociology, University of Singapore, Singapore

Gloria David Feliciano, Dean, Institute of Mass Communication, University of the Philippines, Diliman, Quezon City, Philippines

Santoso Hamidjojo, Faculty, IKIP, Bandung, Indonesia

Mohamad Jaafar, Controller of Engineering, Radio Television Malaysia, Kuala Lumpur, Malaysia

Young Woong Kim, Head, Systems Laboratory Technology & Research Institute, Korean Broadcasting System, Seoul, Korea

Chamnong Koomalayawisai, Deputy Director General, Government Public Relations Department, Bangkok, Thailand

Rufinus Lahur, Faculty Member, Centre for Strategic & International Studies, Jakarta, Indonesia

Vincent Lowe, Lecturer, School of Humanities, Universiti Sains Malaysia, Minden, Penang, Malaysia

Bruce McKenzie, Lecturer-in-Charge, Research & Applied Studies, Warrnambool Institute of Advanced Education, Warrnambool, Victoria, Australia

Yang Aisyah Mutalib, Faculty, Universitas Gadjah Mada, Jogjakarta, Indonesia

E.E. Payne, Deputy Secretary, Australia Department of Communications, Canberra, Australia

Ruby Serra, Media Officer, Office of Media Affairs, Ministry of Public Information, Manila, Philippines

Woo Jae Shin, Manager, Planning Division, Board of Planning, Moonhwa Broadcasting Corp, Seoul, Korea

Boonlert Supadhiloke, Dean, School of Journalism & Mass Communication, Thammasat University, Bangkok, Thailand

Onong Uchayana, Staff, UNPAD, Bandung, Indonesia

K. Vishwanath, Science Engineer, Space Applications Centre, Ahmedabad, India



Chan Weng Yuen, Director, Corporate & Project Planning, Singapore  
Broadcasting Corporation, Singapore

#### JEFFERSON FELLOWS

##### Fellows

Paul D. Addison, Managing Editor, Pacific Business News, Honolulu, Hawaii

Nanda Banerjee, Principal Correspondent, Ananda Bazar Patrika Ltd,  
Calcutta, India

Zhinan Huang, Sub-Editor, International News Department, Xinhua News  
Agency, Beijing, China

Ronnie Thien Woon Lim, Assistant to the Editor, Energy Correspondent,  
Business Times, Singapore

Keith Lorenz, Southeast Asia Correspondent, New York Journal of Commerce,  
Bangkok, Thailand

Ram Pradhan, Editor, Rastriya Samachar Samiti, Kathmandu, Nepal

Sinclair Solomon, Acting Deputy Editor, Times of Papua New Guinea, Boroko,  
Papua New Guinea

Junichi Umeda, Staff Writer, The Japan Economic Journal, Tokyo, Japan

##### Journalist-in-Residence

Michael J. Connolly, Washington Correspondent, Gannett News Service,  
Washington, D.C.

#### POLICY & PLANNING

##### Fellows

M. Alwi Dahlan, Assistant State Minister, Development Supervision &  
Environment, Jakarta, Indonesia

Herbert S. Dordick, Director, Center for Communication Policy Research,  
University of Southern California, Los Angeles, California

Sarah S. King, Chairman, Department of Communication, University of Hawaii,  
Honolulu, Hawaii

Kenneth W. Leeson, Economist, National Telecommunications & Information  
Administration, Washington, D.C.

Timothy J. Logue, Policy Analyst, Communications Satellite Corporation,  
Washington, D.C.

George Thomas, Engineer, INSAT Program Office, Department of Space,  
Bangalore, India

Makoto Tsuruki, Professor of Political Sociology, Keio University, Tokyo,  
Japan

Frederick T.C. Yu, CBS Professor of International Journalism, Columbia  
University, New York, New York

#### Research Interns

Evelyn Jean Bishop, Graduate Assistant, Department of Economics, University  
of Queensland, St. Lucia, Australia

Nattasin Chongsanguan, Graduate Assistant, Department of Economics, Eastern  
Illinois University, Charleston, Illinois

Mark Hamilton, Doctoral Candidate, Department of Communication, Michigan  
State University, East Lansing, Michigan

James Sun-jyi Ke, Staff Member, China External Trade Development Council,  
Taipei, Taiwan, China

Miratul Mahiuddin, Teaching Assistant, Department of Geography, University  
of Hawaii, Honolulu, Hawaii

Kym Anne Young, Grad Student, School of Journalism, University of Georgia,  
Athens, Georgia

#### Joint Doctoral Research Interns

Boonrak Boonyaketmala, Thailand, Political Science

Chee Wah Cheah, Malaysia, Economics

Joyce Sankaran, India, Political Science

#### Students

Benjamin Keith Belton, Louisiana, MUP, Urban & Reg Planning

Kuan Yew Chua, Malaysia, PhD, Political Science

Emmanuel Cusi Lallana, Philippines, PhD, Political Science

Ramli Mohamed, Malaysia, PhD, Political Science

Joseph Luke Plakkootam, India, PhD, Sociology

Desamangalam Krishnan Sankaran, India, PhD, Political Science

William Shapiro, New York, MEd, Educational Communication & Technology

Komgrit Varakamin, Thailand, PhD, Political Science



## Communication Policy & Planning

### Participant

Donald M. Lamberton, Professor, Department of Economics, University of Queensland, St. Lucia, Australia

## Communication Policy Research Agenda Workshop

### Participants

N.L. Chowla, Director, Indian Institute of Mass Communication, New Delhi, India

M. Alwi Dahlan, Assistant State Minister, Development Supervision and Environment, Jakarta Pusat, Indonesia

Youichi Ito, Associate Professor, Institute for Communication Research, Keio University, Tokyo, Japan

Charles Jonscher, Vice President, CSP International Inc., New York, New York

John Albarillo Lauengco, Vice President for Business Development, Domestic Satellite Philippines, Inc., Metro Manila, Philippines

Vincent Lowe, Lecturer in Mass Communication, Universiti Sains Malaysia, Minden, Penang, Malaysia

Gerald Moriarty, Planning Officer, Radio New Zealand, Wellington, New Zealand

Boonlert Supadhiloke, Dean, School of Journalism and Mass Communication, Thammasat University, Bangkok, Thailand

## Telecommunication in the Pacific Workshop

### Participants

Maurice J. Apted, Programme Officer (Satellite), University of the South Pacific, Suva, Fiji

Ruth I. Binz, MLS Student, University of Hawaii, Honolulu, Hawaii

Robert R. Blodgett, Board Member, Bering Strait School District, Nome, Alaska

John M. Bond, Honolulu, Hawaii

Jean-Rene Des Roches, Media Director, Chaminade University, Honolulu, Hawaii

Lynne Freeman, Student, University of Hawaii, Honolulu, Hawaii

Robert H. Geiman, Director of Libraries & Media Services, University of Alaska, Fairbanks, Alaska

Ronald W. Hohman, Superintendent, Bering Strait School District, Juneau, Alaska

Ralph C. Hoover, Janana Chiefs' Conference, Fairbanks, Alaska

Judith L. Johnston, Japan-America Institute of Management Science, Honolulu, Hawaii

Stuart Kingan, Senior Scientific Research Officer, Prime Minister's Department, Rarotonga, Cook Islands

Tereappi Kingan, PEACESAT Terminal Manager, Prime Minister's Dept, Rarotonga, Cook Islands

Karen Knudsen, Outreach Coordinator, Pacific and Asian Affairs Council, Honolulu, Hawaii

Mimi Nichter, Graduate Student, Department of Communication, University of Hawaii, Honolulu, Hawaii

Richard L. Northcott, Physics Lecturer, University of the South Pacific, Suva, Fiji

Joy G. Perez, Student, University of Hawaii, Honolulu, Hawaii

I.G. Nick Pisciotto, Consultant, Pisciotto Enterprises, Kailua, Hawaii

Yong Yoon, Professor, Department of Communications, Korea University, Seoul, Korea

## PROCESS & CONTEXT

### Fellows

Donald P. Cushman, Professor, Department of Rhetoric and Communication, State University of New York, Albany, New York

Barbara Newton, Assistant Professor of Psychology, University of Hawaii, Honolulu, Hawaii

Akira Tsujimura, Professor, Department of Social Psychology, University of Tokyo, Tokyo, Japan

Joseph Woelfel, Professor, Department of Rhetoric & Communication, State University of New York, Albany, New York



### Research Intern

In-Sook Lim, Chief, Data Processing Section, Korean Institute for Family Planning, Seoul, Korea

### Students

Lai-Seng Ho, Singapore, MS, Information & Computer Science

Yea-wei Ho, Taiwan, China, MA, Communication

Hye-Soon Kim, Korea, PhD, Sociology

Wing On Li, Hong Kong, MA, Communication

Tomoko Matsuura, Japan, MA, Sociology

Uhn Cho Moon, Korea, PhD, Sociology

Young-Sun Song, Korea, PhD, Political Science

### Second Seminar on Communication Theory from Eastern and Western Perspectives

#### Participants

Michio Inaba, Director, Institute of Journalism & Communication Studies, University of Tokyo, Tokyo, Japan

Sumiko Iwao, Professor, Institute of Communication Research, Keio University, Tokyo, Japan

Yung-Ho Ko, Professor of Clinical Psychology, National Taiwan University, Taipei, Taiwan, China

So-jin Kwak, Consultant in Cultural Affairs, U.S. Embassy, Seoul, Korea

Yasuko Muramatsu, Senior Researcher, Public Opinion Research Institute, Tokyo, Japan

Takashi Muto, Lecturer, Department of Psychology, University of the Sacred Heart, Tokyo, Japan

Keizo Okabe, Professor, Institute of Journalism & Communication Studies, University of Tokyo, Tokyo, Japan

Akira Tsujimura, Professor, Department of Social Psychology, University of Tokyo, Tokyo, Japan

Ning Xin, Researcher, Chinese Academy of Social Sciences, Beijing, China

Muneo Yoshikawa, Associate Professor, Department of East Asian Language, University of Hawaii, Honolulu, Hawaii

June Ock Yum, Assistant Professor, Department of Communication, University of Hawaii, Honolulu, Hawaii

Chung-Ying Cheng, Professor of Philosophy, University of Hawaii, Honolulu, Hawaii

Jesse G. Delia, Head, Department of Speech Communication, University of Illinois, Urbana, Illinois

Klaus Krippendorff, Professor, Annenberg School of Communication, Philadelphia, Pennsylvania

W. Barnett Pearce, Professor, University of Massachusetts, Amherst, Massachusetts

#### TELECOMMUNICATION SYSTEMS & INTERNATIONAL RELATIONS

##### Fellows

Hiroshi Akuto, Professor, Department of Social Psychology, University of Tokyo, Tokyo, Japan

Hamid Mowlana, Professor of International Relations, The American University, Washington, D.C.

Bei-Wei Zheng, Professor, Department of Journalism, Fudan University, Shanghai, China

##### Research Interns

Qiang An, Graduate Student, Institute of Journalism, Chinese Academy of Social Sciences, Beijing, China

Thomas L. Jacobson, Research Assistant, School of Communication, University of Washington, Seattle, Washington

Pio Manoa, Lecturer, School of Education, University of the South Pacific, Suva, Fiji

Betty Strom, Graduate Student, Political Science, University of Hawaii, Honolulu, Hawaii

Fumihiko Yoshida, Doctoral Candidate, University of Hawaii, Honolulu, Hawaii

##### Joint Doctoral Research Intern

Debra Connelly Kirch, Hawaii, Anthropology

##### Students

Ann Elizabeth Auman, United States, MA, Asian Studies



Robert Alan Borofsky, Hawaii, PhD, Anthropology  
Wai Yee Chan, Hong Kong, MA, Communication  
Francis Daniel Duffy, Texas, MA, Communication  
Joshua Lee Epstein, New York, PhD, Anthropology  
Carl Joseph Hefner, Hawaii, PhD, Anthropology  
Tien-En Tony Kao, Taiwan, China, PhD, American Studies  
Hisako Etsuko Nakayama, Japan, PhD, Asian Languages & Literature  
James Merrill Patton, California, MA, Anthropology  
Chaiwat Satha-Anand, Thailand, PhD, Political Science  
Werasit Sittitrai, Thailand, PhD, Political Science  
Shang Ming Su, China, MA, American Studies  
Theresa Bik Kwan Wong, Hong Kong, MSW, Social Work  
Dwight Keller Whitney, New Zealand, MA, Communication  
Jin-lu Yu, China, MA, Communication

# Culture Learning Institute

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Gregory J. Trifonovitch, Acting Director

Recent years have been characterized by an overwhelming growth in international and cross-cultural interactions. This is certain to continue due to advances in communication, science and technology systems, and rapid increases in travel and the number of private and public sector organizations. Serious problems can occur when parties from different cultural and social systems interact, and unforeseen difficulties may arise from prejudices and historical animosities among people of different ethnic and cultural backgrounds.

Relations among nations are primarily a result of the interactions among people. The Culture Learning Institute carries out study, training, and research aimed at improving both the processes and the substance of significant cross-cultural and international interactions. The institute deals, in particular, with those problems that arise from differences in cultural and social systems. It seeks to understand why people from different cultures often fail to cooperate effectively. It attempts to find ways of dealing with cultural problems resulting from differences in language, in social, economic, and religious systems, and in negotiating and decision-making styles and norms that guide everyday behavior. Each of these factors influences the degree of cross-cultural understanding and the nature and quality of international interactions.

## ACCOMPLISHMENTS

During the year, program objectives were substantially redefined and two projects--Interactions Among Governments, and International Interactions through Transnational Organizations--were concluded. A number of Research Associates were terminated and the previous Director began a two-year leave of absence. The institute spent much of the year regrouping and reorganizing its program. The project on International Interactions among Individuals and Groups of Individuals was reorganized into four program areas--Culture and the Arts, Culture and Language, Culture and Interpersonal Interactions, and Cultural Perceptions of Mental Health.

Despite this transition, there were a number of important program accomplishments during the year. A very special one was the March, 1982 conference on Chinese Culture and Mental Health.

While passing through Hawaii two years ago, top-ranking health officials and physicians from the People's Republic of China stopped at the Center. Discussions with staff members led to a mutual interest in arranging a joint conference to consider comparative mental health problems in China and the West. Two years later, as a result of careful planning and extensive personal negotiations, this conference became a reality, bringing together twenty-eight leading scholars, practitioners, and administrators, all of Chinese ethnic backgrounds, from China (including Taiwan), the United States, Hong Kong, Singapore, Canada, and Australia. This



conference provided a rare insider's view of how traditional Chinese culture and the modernization process has affected mental health among ethnic Chinese in a variety of social and political settings, notably on China's mainland and in Taiwan.

The participants from China included the president of the Chinese Psychiatric Association, the president of the Chinese Mental Health Association, the vice-president of the Chinese Sociological Association, the president of the Chinese Ethnological Association, the former president of the American Anthropological Association, the liaison officer for the World Health Organization, and the secretary of the Trans-Cultural Psychiatry Section of the World Psychiatric Association.

For the first time, Western scholars learned in detail about recent developments in mental health care in China, and PRC scholars and health administrators became aware of recent research methods developed in the United States, particularly interdisciplinary approaches to culture and mental health issues. This conference established trust among the participants, who began to develop collaborative projects for the future. American participants, as a result, have been invited by the People's Republic of China Ministry of Health to work on research and training projects dealing with mental health issues concerning family education and modernization.

## PROJECTS

### International Interactions Among Individuals and Groups of Individuals

This project has four components which, respectively, (1) analyze problems of individual adjustment to the stresses of a cross-cultural environment, (2) examine the role of performing arts in the process of cross-cultural contact and understanding, (3) identify problems of communication that arise when English is used in an international setting, and (4) present cultural performances and demonstrations.

During the year, the project conducted research on problems faced by people who have frequent encounters with individuals from various cultures and countries. These problems entail a broad range of issues, such as the historical precedents brought to any current cross-cultural encounter; the traits and competencies people possess; their thought and attribution processes; the groups they join; the tasks they want to accomplish; and the situations they face. Commonalities in cross-cultural interactions are being sought across specific types of experience. For instance, insights into the creative work of artists may be applicable to the problems faced by cross-cultural researchers or multinational businessmen.

The project team members are: Jerry Boucher, Richard Brislin, Björn Jernudd, Larry Smith, Richard Via, Geoffrey White, David Wu, and Gregory Trifonovitch.

Cooperating institutions include: The Language Institute of Japan; TESOL Organization, Washington, D.C.; Linguistics Department, Chulalongkorn

University; Open University, Bangkok, Sukkothai; Department of Language Teaching and Psychology, University of the Philippines; National Institute of Mental Health, Washington; Department of Psychiatry, University of Hawaii; Queen's Medical Center, Hawaii; Society for Intercultural Education, Training and Research; International Association for Educational Scientific and Cultural Interchanges; Department of Psychology, Purdue University, Indiana.

#### SPECIAL PROJECTS

The Institute coordinates single event programs, cooperatively administered programs, seminars, and training programs that cut across organizational boundaries to draw upon the resources of other institutes, and develops ad hoc programs that explore potential new areas for research and training.

Externally funded activities are designed specifically to disseminate the institute's research findings to people who, by the nature of their work and areas of responsibilities, are involved in international and cross-cultural interactions--for example legislators and government officials, international businessmen, international curriculum designers, and professionals involved in international, cross-cultural assignments.

Special Projects are supervised by: Gregory Trifonovitch, Acting Director of CLI.



## CULTURE LEARNING INSTITUTE

### Staff

#### Acting Director

Gregory Trifonovitch, MA Linguistics, University of Hawaii, 1975. Twenty years experience as an educator in the Pacific and the Middle East. From 1963-67 was education consultant and administrator for teaching English as a second language in the Trust Territory of the Pacific. Research interests: cross-cultural administration, international conferences and oral literature.

#### Assistant Director for Academic Affairs/Research Associate

Mark Lester, PhD Linguistics, University of California, Berkeley, 1974; MBA, University of Hawaii, 1979. Came to CLI from the University of Hawaii, Department of English as a Second Language, of which he was chairman from 1969-72. Resigned in September, 1982.

#### Research Associates

Guy Amirthanayagam, MA Social Science, Syracuse University, 1963. Was Deputy High Commissioner, Sri Lanka High Commission in London, before joining CLI in September 1974. Spent 24 years in the Sri Lanka Civil Service as chairman of the National Salt Commission in Sri Lanka, Assistant Postmaster General, and chairman of the Ceylon Chemical Corporation. Was member of the Commonwealth Scientific Committee, the Board of Governors of Imperial College of the University of London, the Commonwealth Education Liaison Committee, and the Rhodesia Sanctions Committee. Resigned at the end of 1982.

Verner Bickley (on two year leave of absence), PhD Linguistics and Education, University of London, 1966. Formerly director of CLI from 1971-81. Spent more than 20 years in Asia--was language officer of the British Council in Japan and first secretary of the British Embassy Cultural Department in Tokyo.

Ram Anand, JSD Public International Law, Yale University, 1964. Was Rockefeller Foundation Fellow in International Organizations, Columbia University, 1960-61; Research Associate, World Rule of Law Center, Duke University Law School, 1964-65; Professor of International Law and Chairman, Centre for Studies in International Law, Diplomacy, and Economics, Indian School of International Studies (now part of Jawaharlal Nehru University), New Delhi, 1965-78; Legal Consultant to UN Secretary-General on Law of the Sea, 1973. Resigned in June, 1982.

Jerry Boucher, Phd Psychology, University of California, San Francisco, 1971. Joined CLI in December, 1973. From 1971-73, was assistant research psychologist, University of California, on assignment to the Institute for Medical Research, Kuala Lumpur, Malaysia. Research interests: the individual in cross-cultural interaction, with emphasis upon the cultural and biological substrates of emotional behavior.

Richard Brislin, PhD Psychology, Pennsylvania State University, 1969. A social psychologist who has worked in Micronesia and Washington, D.C., is the co-author of the book Cross-Cultural Research Methods (1973), and coordinator of work done at the East-West Center which led to the Handbook of Cross-Cultural Psychology (1980). He has been the United States representative to the Executive Board of the International Association for Cross-Cultural Psychology (1974-75). Research interests: influences of culture on the definition of social situations in cross-national interactions, benefits stemming from cross-cultural interactions and research on the performing arts and cinema.

John Brownell, EdD Education, Stanford University, 1952. Deputy Chancellor for Academic Affairs, 1968-75 and Vice-President for Academic Affairs, 1975-79 at the East-West Center. Previously Professor of Education and Director of Secondary and Junior College Teaching Internship Program at Claremont Graduate School in California 1958-66 and was also visiting professor of education at the International Christian University, Tokyo, 1964-65. Was Associate Director for Planning and Evaluation at the Hawaii Curriculum Center and researcher, Education Research and Development Center, University of Hawaii, 1966-68. Resigned in September, 1982.

Björn Jernudd, PhD General Linguistics, Umea University, Sweden, 1972. MBA, Stockholm School of Economics, 1966. Was Senior Lecturer in Linguistics at Monash University, Melbourne 1966-74; Senior Fellow in the former Institute of Advanced Projects, EWC, 1968-69; Project Specialist, Ford Foundation Cairo Field Office, 1974-76; and Consultant, CLI, 1976-77. Research interests: establishment of networks and information exchanges between individuals and organizations in language planning, and development of theory and models in language planning, particularly to deal with international language problems.

Sung-Hwan Jo, PhD Economics, Yale University, 1975. Professor of Economics and Director of Research Institute for Economics and Business, Sogang University, Korea, 1975-80. Formerly Research Associate, Economic Growth Center, Department of Economics, Yale University; Director, Division of International Cooperation, Federation of Korean Industries and Director, Foreign Investment Service Center, Federation of Korean Industries. Was Advisor, Industrial Research Committee, Korea Development Bank, 1976-78 and was Vice-President, International Economic Association of Korea. Joined EWC Center-wide Programs October, 1982.

Krishna Kumar, PhD Sociology, Michigan State University, 1972. Has been assistant director for research, the Gandhi Peace Foundation in New Delhi, and a faculty member of the College of Urban Development, Michigan State University. Joined CLI in May, 1974, and moved to EWC Center-wide Programs October 1982.

Larry Smith, MA TESOL, University of Hawaii, 1969. Taught for four years in Thailand with the Peace Corps and the Southern Baptist Convention and has traveled extensively in Asia. Research interests: the place of English in international business and the problems that can cause communication breakdown; the teaching and learning of English as an international language through unconventional approaches (e.g. drama, gaming) for specific audiences.



John Walsh, PhD Philosophy of Education, Yale University, 1953. Spent 1953-70 at the University of Notre Dame, occupying positions as chairman of the Department of Education and then Vice-President of Academic Affairs. Resigned in September, 1982.

Geoffrey White, PhD Anthropology, University of California, San Diego, 1978. Held Foreign Area Fellowship from Social Science Research Council for dissertation on the Solomon Islands, 1974-76. Received Stirling Award in Culture and Personality Studies, 1977. Research interests: interpersonal perception, language, cultural views of adjustment and illness, social change, and Pacific societies.

David Wu, PhD Anthropology, Australian National University, 1974. Formerly staff member of the Institute of Ethnology, Academia Sinica, Taiwan. Author of studies on immigrant adaptation. Honorary Associate Fellow, Academia Sinica. Research interests: ethnicity and cross-cultural interaction, culture and mental health, and Chinese culture overseas.

#### Educational Specialist

Richard Via. In professional theatre for 23 years as actor, stage manager, and director. Spent four-and-a-half years in Japan as a Fulbright Lecturer and on a grant from the JDR Third Fund. Served as researcher and advisor to the English Language Education Council in Tokyo, and as consultant to Encyclopedia Britannica. Was Assistant Professor in Department of English as a Second Language, University of Hawaii. Research interests: the use of drama techniques for teaching/learning performing arts across cultures.

#### Professional/Administrative

Lyn Anzai, MA Asian Studies, University of Hawaii, 1968 and JD in Law, University of Hawaii, 1981. Program Officer. Special interest in Asian studies with emphasis on East Asian sociology, history, and art history.

William Feltz, MA Ethnomusicology, University of Hawaii, 1970. Resource Materials Specialist. An ethnomusicologist with special interest in Japanese and Korean music.

#### Adjunct Research Associates

Thomas Maretzki, PhD Anthropology, Yale University, 1957, and professor of Anthropology and Psychiatry, University of Hawaii.

Anthony Marsella, PhD Psychology, the Pennsylvania State University, 1968, and Associate Professor and Director, WHO Schizophrenia Research Center, Department of Psychology, University of Hawaii.

Wen-Shing Tseng, M.D., Medical School, National Taiwan University, Taipei, Taiwan, China, 1954-61, and professor at Department of Psychiatry, University of Hawaii.

Kathleen Wilson, PhD Education (Curriculum and Instruction and Nonformal Education), Michigan State University, 1978. Was Research Associate in the Culture Learning Institute, EWC, from 1978-81.

## PUBLICATIONS AND OTHER PRODUCTS

### BOOKS

Amirthanayagam, Guy, editor, Asian and Western Writers in Dialogue: New Cultural Identities. London: The MacMillan Press, Ltd. 223 pp.

Amirthanayagam, Guy, and S.C. Harrex, editors, Only Connect: Literary Perspectives East and West. South Australia: Flinders University Press, January 1982. 335 pp.

Amirthanayagam, J.G., Writers in East-West Encounter: New Cultural Bearings. London: The MacMillan Press, Ltd., October 1981. 217 pp.

Anand, R.P., and P. Quisumbing, editors, ASEAN: Identity, Development and Culture. Quezon City, Philippines: University of Philippines Law Center, and Honolulu: East-West Center--EWC-Culture Learning Institute, October 1981. 411 pp.

Marsella, Anthony J., and Geoffrey N. White, editors, Cultural Conceptions of Mental Health and Therapy. Dordrecht, Holland: D. Reidel Publishing Company, 1982. 414 pp.

Wu, David Y.H., The Chinese in Papua New Guinea: 1880-1980. Hong Kong: Chinese University Press of Hong Kong, January 1982. 200 pp.

Wu, David Y.H., editor, Ethnicity and Interpersonal Interaction: A Cross-Cultural Study. Maruzen Asia Publishers, Singapore, and Verlhg Breitenbach Publishers, Germany, July 1982.

### SERIAL PUBLICATIONS

#### Language Planning Newsletter

A quarterly periodical containing original articles, reviews, and other items of information in the field of language planning. Joan Rubin, editor; Björn Jernudd, associate editor. Selected articles.

Vol. 7, No. 3-4, November 1981. 12 pp. "Kumision I Fino' Chamorro (Guam)," by Martin Combs and Björn Jernudd.

Vol. 8, No. 1, February 1982. 8 pp. "The Language Situation in American Samoa: Planners, Plans, and Planning," by Richard B. Baldauf, Jr.

Vol. 8, No. 2, May 1982. 8 pp. "Language Planning Issues in Vanuatu," by Donald M. Topping.

Vol. 8, No. 3, August 1982. 8 pp. "Language Treatment in Brittany," by Lenora A. Timm.

#### CLI Report

A newsletter that describes current activities at the institute and contains brief articles of general interest.



Vol. 8, No. 1, February 1982. 16 pp. Lead article, "Culture Learning Through Literature," by Paul Sharrad.

#### OCCASIONAL AND EXTERNAL PUBLICATIONS

##### Annual Bulletin

"Toward Mutual Understanding." Describes CLI's programs, identifies staff members and fellows, and lists recent publications. Issued in the spring. 12 pp.

##### Book Chapters

Amirthanayagam, Guy, "Literature and Cultural Knowledge." In Asian and Western Writers in Dialogue: New Cultural Identities, edited by G. Amirthanayagam, pp. 3-12. London: The MacMillan Press, Ltd., 1982.

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James Makasiale, Program Administrator

## OVERVIEW

In the past year, the Pacific Islands Development Program has made significant progress. A total of \$214,356 of program and project support was secured, which includes \$70,000 from the government of Japan--an increase of \$20,000 over the 1981 contribution--and \$54,000 from the Government of Australia. A study of disaster preparedness and disaster impact was completed. A study of regional cooperation is nearing completion and four projects on Aquaculture, Nuclear Waste Disposal, Government Systems, and Energy were initiated. Two additional projects, a disaster preparedness training and policy planning project and a study of beneficial roles of multinationals, were also planned.

Ongoing and planned projects involve collaboration with: the United Nations Development Programme; the University of the South Pacific; the South Pacific Bureau for Economic Cooperation; the United Nations Disaster Relief Office; the Australian Development Assistance Bureau; the Office De la Recherche Scientifique Et Technique Outre-Mer; the Australian National University; the University of Papua New Guinea; the U.S. National Marine Fisheries Service; the University of Hawaii; and the Resource Systems Institute and the Environment and Policy Institute of the East-West Center. Regional and international organizations and funding agencies were also contacted regarding collaboration on and support for research projects.

PIDP also organized one meeting of the Standing Committee of the Pacific Islands Conference, which serves as an advisory council for the Program. This meeting was conducted via the USPNET and PEACESAT satellite networks in April of 1982. Included in this meeting was a presentation of research activities at PIDP and other cooperating institutions, such as the South Pacific Bureau for Economic Cooperation, the Commonwealth Secretariat, and the University of the South Pacific. In addition, concept papers and proposals for new research and development activities were presented.

In order to maintain close cooperative relationships with the South Pacific Bureau for Economic Cooperation (SPEC), the South Pacific Commission (SPC), the University of the South Pacific (USP), the United Nations Development Programme (UNDP), the Forum Fisheries Agency (FFA), and other regional and international organizations, PIDP participated in the South Pacific Commission Planning and Evaluation Committee Meeting in June and the South Pacific Conference in October of 1982. The leaders of regional institutions met informally for the first time and decided that a formal meeting would be convened to discuss matters of coordination. The recognition of PIDP as a major regional institution was an important breakthrough proving the viability of PIDP's new role as a significant contributor to Pacific Islands research and development.



Because of the Standing Committee's concerns regarding the problems of small island states, PIDP participated in the SPEC Trade Meeting in Niue in February and the Planners Meeting on Ocean Resources in Suva, Fiji in June of 1982.

Concept papers and proposals for research and educational programs have been prepared and presented to the Standing Committee. The subjects include: Regional Cooperation, Energy Needs and Alternatives, Disaster Preparedness, Aquacultural Potential Assessments, Government and Administrative Systems, the Role of Multinational Corporations, Indigenous Business Ventures, Nuclear Waste Disposal, and Faculty Development Program. Preliminary results of studies conducted by PIDP and other organizations have been presented to the Standing Committee: the Feasibility Studies of a Regional Fund, as well as a Regional Advisory Service, by SPEC; the USP/PIDP Regional Cooperation Project; and the Disaster Preparedness Survey, by PIDP.

In addition to its research and educational activities and the administrative support provided to the Standing Committee, PIDP produced a monthly newsletter, the "PIDP News." Six issues were published with a circulation of approximately 500, including heads of government, regional and international organizations, and researchers in the region. This newsletter has contained articles on Standing Committee activities and on PIDP research and educational programs.

PIDP has also maintained an active and ongoing liaison with Pacific Island leaders who stop in Honolulu. During the period under review, PIDP hosted and briefed the Rt. Hon. Ratu Sir Kamisese Mara, prime minister of Fiji and chairman of the Standing Committee; the Rt. Hon. Sir Thomas Davis, prime minister of the Cook Islands; the Hon. Mr. Peter Coleman, the governor of American Samoa; and the Hon. Tosiwo Nakayama, president of the Federated States of Micronesia. PIDP also sponsored a seminar series involving staff and students from the Center and the University of Hawaii, as well as visitors from the region. In addition, it cosponsored courses with the Pacific Islands Studies Program at the University of Hawaii with which PIDP shares a very close working relationship.

The program will require a firmer administrative and financial base in order to enable it to participate effectively in the search for relevant new ideas and directions, and to move away from dependence on project funding. The minimum size required to maintain the Program is an administrator, three senior staff, an administrative assistant, and three full-time secretaries.

Some of these requirements have been met, and given its limited resources, PIDP's output since its inception has been substantial. It has demonstrated its capacity to handle both issues identified by Pacific Island leaders and other substantive issues and, in so doing, has acquired relevant experience and developed significant expertise. There is every reason to believe that this capacity can be extended and further developed in the future.

## PROJECT OVERVIEW

Regional Cooperation. Professor Ronald Crocombe, director of this University of the South Pacific/PIDP joint project on regional cooperation, made an interim report on the findings to the Standing Committee at its April 1982 meeting. Papers on a range of topics have been completed and the remaining papers for this project are being completed. A meeting of contributors to the project was also planned for February/March 1983.

Energy Needs and Alternatives Regional Survey. PIDP and RSI jointly organized the Center's participation in a survey of energy needs and alternatives in ten Pacific Island countries and territories. The survey was cosponsored by the United Nations Development Programme, the Economic and Social Council for Asia and the Pacific, the Australian National University, the South Pacific Bureau for Economic Cooperation, the European Economic Community, and the East-West Center. The survey team gathered data on energy supply, including both renewable resources and petroleum, as well as end use of energy by economic sectors. These data were analyzed, circulated to the ten participating countries for comment, and presented at the SPEC Regional Energy Meeting held in Suva, Fiji, on September 20-27, 1982. A regional overview of energy needs and alternatives, a petroleum security study, and curriculum development in energy planning are planned for FY83.

Disaster Preparedness and Disaster Experience in the South Pacific. A survey of disaster experience and disaster preparedness in eleven South Pacific countries and territories was completed and published. The survey, which was supported largely by the Office of Foreign Disaster Assistance of USAID, involved participants from the Center and staff from the United States and four Pacific countries. It resulted in a comprehensive report of relevant information about the countries included, the impact of natural disasters in those countries, and a description of their disaster preparedness and mitigation efforts. It also included a regional overview and ten case studies.

Work was also started on disaster preparedness and experience profiles of American Samoa, New Caledonia, French Polynesia, the Federated States of Micronesia, the Republic of Belau, and the Republic of the Marshall Islands. In addition, PIDP conducted a seminar on USAID and Peace Corps collaboration on disaster preparedness in the South Pacific. A second grant was also awarded to PIDP by the Office of Foreign Disaster Assistance to plan a three-year policy planning and training program based on the regional survey. Work on the three-year program itself was expected to begin in January 1983 and involve the Australian Development Assistance Bureau, the United Nations Disaster Relief Office, and other regional and international organizations.

Aquaculture Assessment. A study of aquaculture projects in the Pacific region was initiated as the first phase of PIDP's aquaculture project. Contact was established with government agencies, international organizations, universities, marine laboratories, and private consulting firms. Basic information on aquaculture projects was gathered and will be presented in a review of projects to be published in 1983. Plans were also



made for a workshop in 1983 on assessing aquaculture proposals and projects. In addition, technical information on aquaculture development was provided to several governments in the region.

Government and Administrative Systems. Concept papers were prepared for a project focusing on: (1) the structure of government, (2) cost of government, (3) human resources, and (4) public enterprises and statutory corporations. A consultative group, consisting of senior government officials and researchers with experience in these areas, met to identify specific research questions and to discuss the development of this project.

The Role of Multinational Corporations. A review was completed of literature and a bibliography was prepared on the role of multinational corporations in national development in the Pacific. Concept papers outlining areas for research needs were written and discussions on possible collaboration were held with the United Nations Centre on Transnational Corporations, the South Pacific Bureau for Economic Cooperation, and the Economic and Social Council for Asia and the Pacific. Potential funding for activities in this area was identified and plans for specific activities were made.

Indigenous Business Ventures. A literature review was conducted and a concept paper was produced on problems of indigenous business development. Discussions were also held with representatives of regional and international organizations on funding and collaboration.

Nuclear Waste Disposal. The Nuclear Waste Disposal Project has begun a series of policy papers on the legal and environmental issues related to nuclear waste disposal in the Pacific Ocean. A paper, "Nuclear Energy and the Pacific," is scheduled for completion in January 1983. Additional papers now in progress include an overview of the legal constraints on the disposal of radioactive waste in international waters, a closer look at the London Dumping Convention, and a review of how modern legal systems should alleviate potential environmental problems. In addition, a tentative proposal for external funding on nuclear waste disposal is under review.

Faculty Development Program. A proposal was presented and funded for a joint Open Grants/PIDP Faculty Development Program for Tertiary Institutions in the South Pacific. Supported by USIA, this program is intended to support faculty and staff from the University of the South Pacific, the University of Papua New Guinea, and potentially, other institutions in the region.

## PUBLICATIONS AND OTHER PRODUCTS

### BOOKS

Franco, Angela Barzelatto, Michael P. Hamnett, James Makasiale, and contributing authors Karukuru Sere, Fa'auma Seui, Robert Staff, John Roughan, and Jean Francois Dupon, Disaster Preparedness and Disaster Experience in the South Pacific. Cartography by Keith Matsumoto. Honolulu: East-West Center, August 1982. 380 pp. Softcover.

### SERIAL PUBLICATIONS

#### Reports

Hamnett, Michael P., and Angela Barzelatto, "Regional Overview of Disaster Preparedness and Disaster Experience in the South Pacific." Cartography by Keith Matsumoto. September 1982. 67 pp.

Penot-Demetry, Josee, and Michael P. Hamnett, Transnational Corporations in the Pacific: The View from the Islands. 1982. 12 pp.

Coping with Crisis: Phase II, by PIDP Staff. August 1982. 48 pp.

#### Country Profiles

Country Profile: Kingdom of Tonga, by Franco, Angela Barzelatto, Jean Francois Dupon, Michael P. Hamnett, James Makasiale, John Roughan, Karukuru Sere, Fa'auma Seui, and Robert Staff. Cartography by Keith Matsumoto. 1982. 28 pp.

#### Newsletter

##### PIDP News

Vol. 1, No. 4, March 1982, 4 pp.

- "Australia Contributes \$54,700"
- Peace Corps/AID Disaster Preparedness Conference

Vol. 1, No. 5, May 1982, 4 pp.

- "Federated States of Micronesia Contributes \$5,000"
- "Standing Committee Approves Project Plans for 1983/84"

#### Conference Reports

AID/Peace Corps Disaster Preparedness Conference, by Michael P. Hamnett et al.

Summary Report: Planning Conference for the Government and Administrative Systems Project, September 12-18, 1982. Introduction by Andrew Arno. 1982. 64 pp.

AID/Peace Corps Disaster Preparedness Conference, Pacific Islands Development Program, by Michael P. Hamnett et al., May 1982. 37 pp.



## Technical Reports

Uwate, Roger K., A Market Supply and Demand of Marina Slip Facilities in Oahu. By SMS Research for Thunderbird Marine, Vancouver, Canada. January 1982. 60 pp.

Uwate, Roger K., A Survey of Monthly Prices and Quantities of Wholesale Fish Products in Hawaii: Interim Status Report. By SMS Research for National Marine Fisheries Service, Honolulu Laboratory, Hawaii. January 1982. 60 pp.

Uwate, Roger K., An Assessment of the Photographic Paper and Film Market in Honolulu. By SMS Research for Sakura Films, Japan. March 1982. 44 pp.

Uwate, Roger K., A Survey of Monthly Prices and Quantities of Wholesale Fish Products in Hawaii: Final Report. By SMS Research for National Marine Fisheries Service, Honolulu Laboratory, Hawaii. August 1982. 80 pp.

Uwate, Roger K., Survey of the Broker and Retail Sectors of the Fish Markets in Hawaii: Interim Status Report. By SMS Research for National Marine Fisheries Service, Honolulu Laboratory, Hawaii. December 1982. 30 pp.

## Profiles

Materials provided by PIDP for the Peace Corps/AID Conference on Disaster Preparedness and Rehabilitation, containing country profiles, disaster experience profiles, and preparedness profiles. April 1982. Total of 184 pages.

Cook Islands: 7 pp.

Fiji: 62 pp.

Kiribati: 8 pp.

Nauru: 4 pp.

Niue: 4 pp.

Papua New Guinea: 48 pp.

Solomon Islands: 17 pp.

Tonga: 28 pp.

Tuvalu: 12 pp.

Vanuatu: 10 pp.

Western Samoa: 17 pp.

## UNPUBLISHED PRODUCTS

## Journal Articles

Hamnet, Michael P., "Disaster Motto: Be Prepared." In Pacific Magazine, January 1982, p. 35.

### Conference Papers

Franco, Angela, and Michael P. Hamnett, "Regional Overview of Disaster Threats." Paper presented at the Peace Corps/AID Conference on Disaster Preparedness and Rehabilitation, Honolulu, May 19-22, 1982. 33 pp.

Hamnett, Michael P., and Angela Franco, "Awareness of the Threats of Natural Disasters in the Pacific Region." Paper presented at the Peace Corps/AID Conference on Disaster Preparedness and Rehabilitation. April 1982. 7 pp.

Hamnett, Michael P., Angela Franco, James Makasiale, Karukuru Sere, Fa'auma Seui, and Robert Staff, "Coping with Crisis: Disaster Experience and Disaster Preparedness in the South Pacific." Paper presented at the American Society for Public Administration (ASPA) Conference, Honolulu, March 21-25, 1982. 8 pp.



## PROJECT PARTICIPANTS

### Fellows

E. Macu Salato, Former Secretary-General, South Pacific Commission, Noumea, New Caledonia

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Katherine Orr, Student, University of Hawaii, Honolulu, Hawaii

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Roger K. Uwate, Project Director, SMS Research, Honolulu, Hawaii

Michael Walker, Doctoral Candidate, Department of Zoology, University of Hawaii, Honolulu, Hawaii

### EWG Disaster Conference

#### Participants

Charles Ahlgren, AID Field Officer, U.S. Government, Wellington, New Zealand

W. Carter, Disaster Preparedness Consultant, Australian Development Assistance Bureau, Victoria, Australia

Silas Chekana, Disaster Planning Officer, Government of the Solomon Islands, Honiara, Solomon Islands

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Robert Craig, AID South Pacific Development Officer, U.S. Government, Suva, Fiji

Fred Cuny, President, Intertect, Dallas, Texas

Jim Dawson, Peace Corps Director, Fiji & Tuvalu, U.S. Government, Suva, Fiji

Louie DeCourval, USAID Consultant, U.S. Government, Washington, D.C.

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Judy Devere, Peace Corps Administrative Officer, Papua New Guinea, U.S. Government, Port Moresby, Papua New Guinea

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Ehson Johnson, Disaster Control Officer, Government, Ponape, Federated States of Micronesia

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Shiu Lal, Peace Corps Administrative Officer, U.S. Government, Suva, Fiji

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Sio Maiasa, Papua New Guinea Defence Force, Government of Papua New Guinea, Boroko, Papua New Guinea

Margaret McKelvey, Office of Foreign Disaster Assistance, USAID, Washington, D.C.

Terry Murphy, Peace Corps Country Director, Solomon Islands, U.S. Government, Honiara, Solomon Islands

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Wilford Reyes, Peace Corps Administrative Officer, Micronesia, U.S. Government, Saipan, Northern Marianas .

Ed Salt, Peace Corps Training Officer, U.S. Government, Washington, D.C.

Meipo Sauila, Peace Corps Administrative Officer, Western Samoa, Apia, Western Samoa

Sonny Shuster, Police Commissioner, Government of Western Samoa, Apia, Western Samoa

Carolyn Siota, Peace Corps Administrative Officer, U.S. Government, Honiara, Solomon Islands

Temo Stuart, Secretary, Prime Minister's Relief & Rehabilitation Commission, Fiji Government, Suva, Fiji

Paul Thompson, Disaster Specialist Architect, Interact, Dallas, Texas

Crown Prince Tupouto'a, Minister for Foreign Affairs & Defense, Kingdom of Tonga, Nuku'alofa, Tonga

Karen Woodbury, Peace Corps Country Director, Papua New Guinea, U.S. Government, Port Moresby, Papua New Guinea

Dale Yamauchi, Peace Corps Program Officer, Micronesia, U.S. Government, Saipan, Northern Marianas

#### Government & Administrative Systems

##### Participants

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Peter Larmour, Department of Politics & Administrative Studies, University of Papua New Guinea, Port Moresby, Papua New Guinea

Stephen Levine, Senior Lecturer, School of Political Science & Public Administration, Victoria University, Wellington, New Zealand

Mere Pulea, Special Assistant to the Vice-Chancellor, University of the South Pacific, Suva, Fiji

Laisenia Qarase, Secretary, Public Service Commission, Suva, Fiji

James Peter Rizer, Outreach Fellow, University of the South Pacific, Suva, Fiji

Jon Sheppard, Interim Director, South Pacific Bureau for Economic Cooperation, Suva, Fiji

Ata T. Teatoh, Secretary to the Cabinet, Government of Kiribati, Tarawa, Kiribati

Petrus Tun, Vice President, Federated States of Micronesia, Kolonia, Ponape, Federated Micronesia

Mahe Tupouniua, Director-Designate, South Pacific Bureau for Economic Cooperation (SPEC), Suva, Fiji

Edward P. Wolfers, Associate Professor in Politics, Macquarie University, North Ryde, NSW, Australia

Pacific Circle Consortium - Uses of the Ocean

Participant

Konai Thaman, Lecturer, University of the South Pacific, Suva, Fiji





# Center-wide Programs

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Douglas P. Murray, Vice President

A new dimension of the East-West Center's activities, Centerwide Programs, was established during 1982 in order (1) to address major issues in the Asian and Pacific region which, while often relevant to the work of the five Institutes and PIDP, are not central to their current program agendas, and (2) to provide a structured framework for important research and training interests that had emerged in part through the fellows program of Open Grants. With the Open Grants office continuing to sponsor and assist degree students not assigned to Institutes, Centerwide Programs assumed responsibility for research fellows and visiting scholars in the broad fields of international relations, international economics, development, and education.

In addition, an effort was made to enhance the Center's ability to provide specialized training in fields that cannot readily be accommodated by the Center's Institutes.

Although inaugurated as a separate office reporting to the vice president, Centerwide programs are intended to become a common resource, with activities that can benefit Institute programs and, like PIDP, engage the interest and participation of staff, fellows, and students throughout the Center.

A parallel effort during 1982 was an exploration of program possibilities in the humanities, in response to an observation of the International Advisory Panel of the "striking lack of attention at the Center to the humanities--to human concerns, heritages, and values." At year's end, a decision was reached to incorporate this effort within the Centerwide mandate.

## ACCOMPLISHMENTS

### International Relations

Creation of the Diplomats-in Residence Program was the principal undertaking of 1982. Ambassador William Bodde, following his assignment as U.S. Ambassador to Fiji, arrived at the Center in February for a one-year appointment. Dr. Macu Salato, Fiji's former high commissioner in London and secretary general of the South Pacific Commission, began a ten-month stay in April, and in August Mr. Yuji Ikeda from the International Organizations Division of Japan's Foreign Ministry arrived for a year's assignment. Supported in most cases by the sending government, the diplomats conduct research in their special fields of interest, teach if they wish, and engage in public programs and Center seminars with colleagues from throughout the region.

Research fellows Charles Morrison, an analyst of Asian International relations based in Open Grants, and Galen Fox, a China specialist on leave

from the U.S. Department of State who arrived in August, were asked to explore program opportunities in international relations through 1983. In September, they were joined by Mr. Hu Zhengqing, director of the American Studies Division of the Beijing Institute of International Studies, who spent two months at the Center following his year's program at Princeton University. In cooperation with Sung-hwan Jo (who is working in the area of international economics), Dr. Morrison initiated the "International Relations Roundtable"--a series of biweekly seminars on key issues in the Asian and Pacific region that provide opportunities for short-term visitors, as well as Center and university specialists, to address local audiences.

In April, a group of ten political science and economics scholars from the ASEAN nations--two from each country--spent a week at the Center preparing a report of their six-week U.S. lecture tour sponsored by the Fulbright Program. They presented two seminars and met with Center staff members to explore future program possibilities.

### International Economics

Planning was initiated for three major economics projects to be implemented during 1983. Research Associate Sung-hwan Jo, a development economist from the Culture Learning Institute, began preparations for a major research conference, "Asia's Newly Industrializing and Nearly Industrializing Countries in the Context of Interdependence." This collaborative effort with specialists from Korea, Japan, Taiwan, and several Southeast Asian countries will explore the structural adjustments and trade policies of some of the world's most dynamic economies at a Center conference in April, 1983.

"Japan's Political Economy" in international perspective is the theme of an ambitious research program organized by groups of distinguished scholars from American and Japanese universities, in cooperation with the Center. In June, Vice President Murray attended a planning workshop in Hakone, Japan, where participants agreed on a multi-year series of workshops and research conferences designed to produce a definitive three-volume study.

A related project, "Comparative East Asian Economic Development," proposed by Prof. Robert Dernberger of the University of Michigan will assess the cultural, political, and economic factors accounting for the differential but relatively rapid economic growth of East Asian societies, with particular reference to China and the sinitic roots of its developing neighbors. Professor Dernberger was invited to join the Center in early 1983 as a research fellow to direct the project, in collaboration with Galen Fox.

Additional activities included a research project on the evolving economic and commercial laws of China, directed by President Victor Li, which in September brought to the Center research interns Sharon Mann and Donald Lewis, both of the United States.



## Development

The process and problems of socio-economic development are fundamental concerns of all Center Institutes and PIDP. But analyses of development per se have been largely absent, and in fact have been in marked decline in academic and other research institutions world-wide. A staff committee recommended creation of the "Development Forum" within Centerwide programs, designed not to conduct major research projects, but rather to invite visiting scholars and fellows for stays of varying lengths, to stimulate thinking on the goals and processes of socioeconomic development from multidisciplinary perspectives. Dr. John Cool, formerly Ford Foundation representative in Manila and visiting fellow in the Population Institute, chaired the ad hoc planning committee, and Dr. Neil Jamieson, fellow in the Environment and Policy Institute, was subsequently invited to serve as coordinator of the Forum. Invitations were extended to two prospective research fellows--one American and one Indonesian at Australian National University--who will join the Center in 1983.

## Education

Dean Sumi Makey, SAOG, was asked to help design and coordinate training and research activities that both reflect the Center's unique role and respond to regional needs in the field of education. To assist in this effort, Prof. Betty Bullard of the University of South Carolina was invited to the Center during the summer. In her concept paper, Professor Bullard outlined four priority areas in which the Center may have important comparative advantages and which are now under active discussion.

In April, the Center joined with the University of Hawaii and the International Council for Educational Development in sponsoring a week-long conference, "International Cooperation," in the field of education. Designed and chaired by Dr. James Perkins, president of ICED, the conference brought a dozen distinguished scholars from the United States and Asia to Honolulu, in conjunction with the University of Hawaii's 75th Anniversary celebration.

A number of research fellows participated in the new education program. Dr. Krishna Kumar, a sociologist from the Culture Learning Institute, continued his work on the effects of foreign education on the professional styles and orientations of social scientists from developing countries, and also assisted in general program planning. During the spring, Prof. Jane Fultz of the University of Hawaii's College of Education studied Asian perspectives on global education in school curricula. Professor Wu Jingyu, of Beijing's Second Foreign Language Institute, arrived in April for a year's work on the use of literature in teaching English as a second language. Professors John Hawkins and Lucie Cheng Hirata of UCLA spent a month at the Center to plan a project assessing the impact of the U.S. educational experience on scholars and students from China since educational exchanges were renewed in 1978.



## Humanities

Stimulated by the report of the International Advisory Panel in May, steps were taken by the President's Office to infuse humanistic concerns and humanities scholarship into the life of the Center, in particular through collaboration with colleagues at the University of Hawaii and other institutions. Cooperating with an American organizing committee of distinguished scholars of China's Shang Dynasty, the Center in September was host to the first International Conference on Shang Civilization, which brought together some forty historians, archeologists, and linguists from China, including Taiwan, as well as Japan, Korea, Canada, and the United States. During the summer, Prof. Allan Grapard, a specialist on Japanese religions from Cornell University, began an extended stay as a research fellow to assist in planning humanities activities. A series of informal meetings with colleagues from the University of Hawaii's departments of Religion, Philosophy, and Drama and Theater, among others, proved extremely helpful in considering program opportunities for the Center's Institutes and Centerwide programs. By year's end, with the assistance of Reuel Denney (formerly of CLI) and Wimal Dissanayake (CI), it was agreed to establish the Centerwide "Humanities Forum" to encourage and coordinate activities in a variety of humanistic fields.

## Training

In part to explore whether a special Centerwide training program is warranted, Dr. Louis Goodman, formerly of RSI, arranged a September workshop on management training for public works projects, using as source materials the publications on integrated project planning and management that had resulted from his work in RSI. The success of the workshop led to plans for an enlarged "training of trainers" meeting in the spring of 1983.

## PROJECT PARTICIPANTS

### Fellows

John H. Barton, Professor of Law, Stanford University, Stanford, California

William Bodde, Jr., Ambassador to Fiji, Tonga, Tuvalu and Minister to Kiribati, American Embassy, Suva, Fiji

Xieyang Chen, Conductor, Shanghai Ballet Orchestra, Shanghai, China

Galen Fox, Chief, Northeast Asia Division, Department of State, Bureau of Intelligence and Research, Washington, D.C.

William B. Gould, Professor of Law, Stanford University, Stanford, California

Allan G. Grapard, Assistant Professor of Asian Religions, Asian Studies Department, Cornell University, Ithaca, New York

Zhengqing Hu, Director, American Studies, Institute of International Studies, Beijing, China

Yuji Ikeda, Director, First International Organization Division, Economic Affairs Bureau, Ministry of Foreign Affairs, Tokyo, Japan

E. Macu Salato, Fiji High Commissioner to London (Retired), Secretary General of the South Pacific Commission (Retired), Suva, Fiji

Y.H. Yang, Adjunct Research Associate, East-West Resource Systems Institute, Honolulu, Hawaii

### Research Interns

Donald J. Lewis, Palos Verdes Peninsula, California

Sharon J. Mann, Stanford, California

### 1982 Fulbright ASEAN Scholars

#### Participants

Mohd Shaffie Bakar, Dean, Faculty of Economics, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia

Amado A. Castro, Professor, School of Economics, University of the Philippines, Quezon City, Philippines

Guat Hoon Khaw, Associate Professor, School of Social Sciences, Universiti Sains Malaysia, Minden, Penang, Malaysia

Dorodjatun Kuntjoro-Jakti, Head, Department of Development Studies, Faculty of Economics, Universitas Indonesia, Jakarta, Indonesia

Teik Soon Lau, Head, Department of Political Science, National University of Singapore, Kent Ridge, Singapore

Tek Tjeng Lie, Special Assistant to the Chairman, Institute of Cultural Research, Indonesian Institute of Sciences, Jakarta Pusat, Indonesia

Felipe Miranda, Professor, Department of Political Science, University of the Philippines, Diliman, Quezon City, Philippines

Eng-Fong Pang, Director, Economic Research Centre, National University of Singapore, Kent Ridge, Singapore

Surin Pitsuwan, Lecturer, Faculty of Political Science, Thammasat University, Bangkok, Thailand

Somsakdi Xuto, Professor, National Institute of Development Administration, Bangkok, Thailand

#### International Cooperation in Education

##### Participants

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Hahn-Been Lee, Chairman, Korea Advanced Institute of Science & Technology, Seoul, Republic of Korea

Edwin M. Martin, Consultant and Director, Food & Population Policies, Diplomatic Unit of the Population Crisis Committee, Washington, D.C.

Porter McKeever, Trustee, The Asia Society, New York, New York

Michio Nagai, Educational Editor, Tokyo Shimbun, Tokyo, Japan

James A. Perkins, Chairman, International Council for Educational Development, New York, New York

Norvel Smith, Vice Chancellor, University of California, Berkeley, California

Francis X. Sutton, Ford Foundation, New York, New York

Chia-Wei Woo, Provost & Professor of Physics, University of California, San Diego, California



## International Education & Exchange

### Participants

Charles H. Blatchford, Visiting Professor of English as a Second Language, University of California, Davis, California

Yingjie Wang, Researcher, Institute of Foreign Education Research, Beijing Normal University, Beijing, China

## International Conference on Shang Civilization

### Participants

Kiyoshi Akatsuka, Professor, Nisho-gakusha University, Toride, Japan

An Jinhui, Director, Institute of Cultural Relics, Zhengzhou, China

Noel Barnard, Senior Fellow, Department of Far Eastern History, Australian National University, Canberra, Australia

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Michiharu Ito, Professor, Department of Literature, Kobe University, Otzu, Japan

Jao Tsung-yi, Professor, Institute of Chinese Studies, Chinese University of Hong Kong, Happy Valley, Hong Kong

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#### Management Training for Public Works Projects

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Mateo Go, Chairman & Professor, Department of Civil Engineering, University of Hawaii, Honolulu, Hawaii

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Neal Peterson, President, DEVCO Engineers, Corvallis, Oregon

Will Pflugh, Vice-President, Olson Construction Co., San Diego, California



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# Student Affairs and Open Grants

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Sumi Y. Makey, Dean of Student Affairs & Open Grants

The Office of Student Affairs and Open Grants (SAOG) was established in 1979 and given the mandate to improve the quality of life and work at the Center for all participants. SAOG includes the centerwide participant support offices (Awards, Visa, Participant Resources, Health, and Alumni), as well as the Open Grants program for fellows and students. The Pacific Islands Development Program continued to receive fiscal and personnel assistance from the Dean's Office through most of FY82. The office also administers the system of program representation through which information about the Center is disseminated, the student competition facilitated, and liaison with governments and institutions in Asia and the Pacific maintained.

## Highlights

In January 1982, functions relating to the review and processing of award documents for all award categories, and the inputting for the participant data system, were transferred from the President's Office to Award Services. In February, the Alumni Services unit was transferred from Public Affairs to Participant Resources. Both functions were transferred to SAOG for programmatic reasons and are working well.

A major accomplishment in FY82 was the development of centerwide guidelines for degree student evaluation. After a careful study of the Institute/Open Grants criteria for grant extensions and student involvement, centerwide guidelines were developed to provide consistent standards. However, institutes and Open Grants continue to have the flexibility to develop student programs in accordance with their own programmatic needs.

For a number of years, the Center has received substantial cost-sharing support from fellows and professional associates. Cost-sharing of degree student awards was first introduced in FY81 and continued in FY82 with twenty-four cost-shared awards offered. Of the nineteen acceptances, seven are cost-shared by institutions and twelve by personal funds. The development of cost-sharing for students has not been easy, but it is part of an important step to increase external funding support for Center programs. Greater efforts will be made in the future to encourage cost-sharing by employers, governments, and donor agencies, so that individual cost-sharing can be minimized.

In June 1982 the Dean traveled to the four entities that make up the Trust Territory of the Pacific Islands. In years past, the Trust Territory government in Saipan conducted the degree student competition and disseminated information about the Center and its programs. However, with the establishment of the Federated States of Micronesia, the Republic of Belau, the Commonwealth of Northern Marianas, and the Government of the Marshall Islands, the need to establish separate Center contacts became apparent. The Dean's visit not only accomplished this goal but also helped to reestablish contact with a large number of EWC alumni in Micronesia.



Two former Open Grants students received a grant from the National Endowment for the Humanities to complete a project begun while on student grants, focusing on the development of a system to classify musical instruments. The new system included variables not accounted for in the conventional classification system: construction, sound production, and use. The project team was made up of an ethnomusicologist and a sociologist, and utilized a computer program to analyze and graphically represent the results. Several seminars were conducted by the two participants to present the research results.

### Open Grants

During FY 82, 124 participants studied and carried out research under Open Grants. Eleven were fellows, 108 were candidates for advanced degrees, one was a research intern, and four were professional associates.

### Fellows Program

A range of research activities involving fellows, interns, and professional associates was carried out in Open Grants during FY 82. The Global Models and the Policy Process (G-MAPP) project continued to build on the work done in FY81, as described in the next section. A unique and vital feature of the project is the continued participation of the fellows after returning to their home countries.

Centerwide programs, begun in FY 82, includes a modest program in international education, which the Dean's office was asked to coordinate. It was felt that as an educational institution with a mandate related to international educational exchange, the Center could usefully examine the educational implications of its work while responding to the interests of Asian, Pacific and U.S. participants in the field of education. These activities are reported under Centerwide Programs.

Fellows in other fields who undertook individual research sponsored by Student Affairs and Open Grants included: Professor Robert Rosenstone on the Japanese Challenge to American Civilization; Charles Morrison on U.S. and Japanese Policies toward ASEAN; Professor Choon-Hak Cho on English Linguistics; and Ramon Lopez-Reyes on the Zone of Peace Concept.

### Global Models and the Policy Process (G-MAPP): The Indian Ocean Basin

The general purpose of the G-MAPP project is to improve international political-economic models and model utilization in policy planning and evaluation. Many nations today support the development of computer models of national and global proportions to examine the interrelationships between food, energy, population, technology, ecology, and political security and stability. But modelers themselves have little opportunity to examine each other's work, import each other's modeling technology, or critically examine their technical and political assumptions. The Center began supporting work in these areas in 1981.



The first year set the pattern for future project development. Unlike most Center projects, G-MAPP does not use the Center as its central base for research; resources here facilitate collaboration among independent centers of global modeling activity, most associated with governmental policy planning activities. The first year initiated such collaboration among individuals from Australia, India, Japan, and the World Bank, each connected with government agencies or government sponsored policy research. The success of this interaction encouraged expansion of the effort to include additional groups in all three countries, to transfer modeling technology, further develop that technology by experimental application to specific policy problems, assess specific needs for model improvement, and expand the network of modelers engaged in this collaboration. The need to incorporate political factors into global macroeconomic models also became clear, and it was generally agreed that this should be strongly encouraged.

Specific accomplishments this year included:

- (1) Survey data collected last year were analyzed, reports drafted, and a new survey of global model usage by multinational corporations was initiated to assess the nature of global model utilization in corporate economic planning.
- (2) A comparative analysis of political-economic models was written, evaluating the potential contribution that political modeling could make to global macroeconomic modeling, and offering specific examples in the international trade submodels of two global macroeconomic models.
- (3) An Australian adaptation of the U.K. model, SARUM (Systems Analysis Research Unit Model), was installed at the University of Hawaii for the purpose of modifying it to better represent political decisions and processes than is currently possible specifically as regards trade and aid assumptions.
- (4) A methodology and computer program were developed to increase the flexibility of SARUM for examining political-economic problems from different countries' viewpoints.
- (5) A month-long workshop was held in Pune, India, cosponsored by the Center and Systems Research Institute, Pune, during which investment and oil pricing policy were examined from an Indian national planning perspective, and a critical evaluation of SARUM was undertaken. This workshop proved to be extremely productive in many respects: (1) work done the preceding year under G-MAPP auspices, exploring policy options and their likely effects on Indian development, was substantially revised and critically reappraised, (2) the SARUM Model was evaluated in considerable technical detail, and plans made for its revision and use, and (3) two political-economic models were installed and seminars held on their use and the implications for global macroeconomic modeling. Many of the ideas embedded in these models proved of great interest to the Indian modelers, and plans were made to continue collaboration in their application to Indian national models and model utilization.
- (6) A day-long seminar was held in Tokyo on political-economic modeling, and a updated simulation of an OPEC oil-price formula's impact on global

trading patterns was executed, to compare with work done under G-MAPP auspices the previous year.

Project Coordinator: Richard W. Chadwick

Cooperating Institutions:

Department of Home Affairs and the Environment, Griffith University, Australia; International Institute for Applied Systems Analysis, Austria; Economic Administration Reforms Commission; Systems Research Institute, Pune, India; Institute of Applied Economic Research, Soka University, Japan; Faculty of Engineering, University of Tokyo; Institute of Interdisciplinary Studies, University of Tokyo; IBM Tokyo Scientific Center; Technology Change Center, London; Comparative Analysis and Projections Division, World Bank.

Seminars

The Centerwide seminar series coordinated by the assistant to the dean focused on Science, Technology, and World Problems. Drawing upon Center staff and participants as well as University of Hawaii faculty, the seminar examined topics ranging from changing theories in philosophy of science, the relationship between science and technology, the ethics of scientific research, to the effect of technology on society. Some of the specific topics presented were: "Philosophical Underpinnings of Western Science" by Professor F. Rehbock, University of Hawaii History Department; "Hard and Soft Science: Similarities and Differences" by Richard Carpenter, Environment and Policy Institute; "Science and Technology: The Links" by Harrison Brown, Resource Systems Institute; "Science and Communication" by Professor Stanley Harms, University of Hawaii Communication Department; and "Atomic Energy: Its Problems and Prospects" by Professor David J. Rose of the Massachusetts Institute of Technology and Resource Systems Institute. Additionally, Open Grants degree students presented papers on: Science-Development of Epistemology; Ideational and Material Approaches in Social Science; Science and Appropriate Technology; and Technology Transfers. Open Grants also presented a film series on science and technology in conjunction with the seminar series.

Degree Student Program

During FY82, 108 Open Grants students from 27 countries worked in 44 areas of specialization at the University of Hawaii. Sixty-nine were candidates for the master's degree while 39 worked for doctoral degrees. Twenty completed their awards during the fiscal year.

Open Grants students continued to be involved in a variety of Center projects and programs. They met their commitment to the East-West Center by spending an average of five hours a week in a Centerwide, Pacific Islands Development Program, or Open Grants seminar, Institute or special research project, or a community-related activity. A variety of options were offered so that each student could select an activity that enhanced



his or her professional and personal development. Various seminars were offered for Open Grants degree students. Leadership for these seminars came from Open Grants fellows, staff, and a few degree students. Each semester, over fifty degree students were involved in these seminars. Seminars were conducted on: Science, Technology and World Problems; Rural Development; Pacific Islands Development; International Relations and Economics Roundtable; Search for Peace; and Language and Linguistics. Also, two seminars focused on the Pacific were offered at the University of Hawaii whereby degree students had the option to register for credit each semester.

Open Grants degree students were also involved in research projects such as Global Models and the Policy Process; Disaster Preparedness; Regional Cooperation; and Cultural Preservation in the Pacific Islands Development Program. Other degree students were involved in research projects of the Culture Learning Institute, Environment and Policy Institute, and the Resource Systems Institute.

Of the degree students who served as volunteers in community-related activities, two selected the Bishop Museum and reported weekly to donate their services in areas related to their professional interests of archeology and ichthyology. One degree student spent more than five hours weekly assisting in various projects at the Pacific Basin Development Council. A group of six Open Grants students organized English classes for refugees in Kalihi and Central Union Church in the fall semester. This project continued in the spring with four offering their services on Saturday mornings. Still other degree students volunteered their services in the University of Hawaii community and taught a freshman honors music class as well as serving as tutors for several undergraduate laboratory courses. One participant majoring in Pacific Islands Studies offered a weekly Ancient Hawaiian hula class each semester and during the summer at the Center.

Because field work funds were limited and competitive, Open Grants degree students who qualified for field work explored outside funding. Over \$50,000 was obtained by eleven degree students through other grants as well as in-kind assistance from various academic and research institutions. In addition, two Open Grants degree students were selected by the University of Hawaii's Pacific Island Studies Program to participate in activities at the University of the South Pacific in Fiji. In both cases, the field work opportunity was cost-shared by the University of Hawaii's Pacific Islands Studies Program, University of the South Pacific, and the East-West Center. The field work review committee in Open Grants included the associate dean of the Graduate Division at the University of Hawaii.

A number of Open Grants degree students presented papers at professional conferences and meetings in Hawaii and on the U.S. mainland with travel funds obtained from external sources. These papers have been or are to be published in professional journals. Also, two degree students received summer fellowships to academic institutions on the U.S. mainland totalling \$3,500.



### Program Representation

A significant reduction in the overall program representation budget resulted in a careful review of activities and expenditures in each country along with a reexamination of priorities. Assistance in seeking cost-sharing funds for degree students was identified as an area of high priority.

Personnel changes in the Representative Offices took place in India, Malaysia, and Papua New Guinea, along with the establishment of new contacts in Micronesia as reported earlier. Visits to the Center by five program representatives enabled them to discuss problems and issues related to their functions and to learn about new developments at the Center.

### Award Services

Award Services continues to be responsible for the annual competition for degree student awards and for the dissemination of information on award opportunities in all six award categories. In addition, the Award Services officer provides the dean with staff support for program representation. For the 1982 degree student competition, Award Services received 300 applications from 26 countries in Asia and the Pacific, in addition to 166 applications from U.S. citizens and permanent residents from 37 states. Applications were considered in 61 fields of study at the University of Hawaii.

Of the 466 applications received, 127 were offered awards. One hundred and three were offered fully funded awards and 24 were offered the opportunity to cost-share an award. To these 24 persons the Center offered housing in the dormitory, tuition at the University of Hawaii, medical insurance, and \$1,000 per year toward the cost of food and incidentals. The recipient, in turn, provided round trip transportation to Honolulu and evidence of funds of at least \$3,200 to supplement the \$1,000 provided by the Center. Nineteen of the 24 persons accepted the Center's offer of cost-sharing.

The following list shows by country the number of new (N) degree awards as well as the number of carry-over awards (C) from previous years: American Samoa: 1 N, 1 C; Australia: 4 N, 4 C; Bangladesh: 4 N, 3 C; China: 6 N, 3 C; Cook Islands: no N, 1 C; Fiji: 3 N, 2 C; Guam: 2 N, 3 C; Hong Kong: 2 N, 1 C; India: 4 N, 9 C; Indonesia: 7 N, 6 C; Iran: 2 N, no C; Japan: 6 N, 6 C; Kiribati 1 N, no C; Korea: 5 N, 12 C; Malaysia: 5 N, 8 C; Nepal: 3 N, 3 C; New Zealand: 4 N, 7 C; Pakistan: 2 N, 6 C; Papua New Guinea: 2 N, 2 C; Philippines: 7 N, 8 C; Singapore: 3 N, 2 C; Sri Lanka: 2 N, 4 C; Taiwan, China: 4 N, 5 C; Thailand: 5 N, 11 C; Tonga: no N, 1 C; Trust Territory: 3 N, 3 C; Tuvalu 1 N, no C; United States: 39 N, 56 C; Afghanistan, Burma, and Western Samoa had no awards, either new or carryover.

Award Services also has primary responsibility for disseminating information on all award categories. Approximately 3,000 written inquiries were received this past year.

In January 1982, the review and processing of award documents for all award categories became the responsibility of Award Services. All awards are reviewed for compliance with Center policies and procedures. Copies of award agreements and award change notifications are now filed with Award Services and, in conjunction, Award Services is responsible for data inputting for the Participant Data System. To assist with this new area, the participant data clerk joined the staff of Award Services.

In September, Visa services, which had previously been in the dean's office, became a part of Award Services. Visa services include three major ongoing functions: ensuring legal visa status in the United States for international participants and staff; interpreting and explaining immigration law and pertinent regulations of the Department of State and the U.S. Information Agency (USIA) to ensure that Center policies and practices are in compliance with the requirements of these agencies; maintaining information on visa procedures and requirements for field programs in other countries. Visa sponsorship for participants and staff involves documentation, counseling, and information; it requires careful handling, the application of federal law, and close liaison with the Immigration Service, the Department of State, and the USIA.

Continued close scrutiny was given to applications for waiver of the two-year home country residence requirement, since the level in 1981 had not been much lower than in 1980. To ensure that the requested practical training or transfer will indeed be relevant for the participant's home country, the review now includes much more extensive consultation with the home country employer and home country program representatives. Early statistics for 1982 show that the new measures have increased participants' return to those countries most affected and also show a drop in waiver applications.

#### Participant Resources/Alumni

Organizational and staff changes led to an evaluation of priorities for the office.

The rewards of the year came from a new sense of partnership with participants who no longer had only titular connections to the organizations they represented, but who pitched in with more time and more work to assist the staff. Thus, rather than having to eliminate large numbers of programs and activities, Participant Resources found itself with more help than ever as larger numbers of participants became actively involved in maintaining the programs and organizations they valued. This was especially true during the period of overlap on the two major events each year - Mini-Olympics and International Fair.

In February, Alumni Services (two staff positions) was transferred from Public Affairs to Participant Resources. Despite the reduction in staffing in Participant Resources, several new duties were transferred to the unit. Among the new duties were the Host Family Program, the ticket refund program, and the emergency loan fund--all emanating from the Friends of the East-West Center and formerly housed in Public Affairs. Similarly, the



unit took over coordination of the Participant Staff Directory which had been published by Public Affairs.

During the year, staff cooperated with local women's groups and the UH Continuing Education division on the second Asian/Pacific Women's Conference, which was hosted by the EWC. The Participant Resources officer continued to hold collateral responsibilities as EEO coordinator and also carried out a special assignment for the president to locate a new food service vendor for the Jefferson Hall Cafeteria. Two staff members in the unit received commendations in the form of Makana Awards.

Perhaps the most significant change within already-existing programs was the modification of the Film Series. This ten-year program was abolished on paper when budget cuts had to be made. Participants responded by offering a new concept--a self-supporting weekly event with admission fees and staffing by participants themselves. In March, the first pay-as-you-go film was shown and was well-received. With participants taking over the management of this program, staff involvement was reduced about 40%.

The Health Officer added two new study committees to his responsibilities--asbestos and video display terminals, the latter resulting from a sharp increase in the use and availability of computer technology and constantly changing information on the health effects of such technology. Both the Health officer and the Participant Resources officer were involved with housing and central administration staff on modifying and implementing the no-cooking policy for the residence halls.

#### Alumni Services

Several new efforts were made in the area of alumni programs. An Alumni Fellowship Program was proposed and designed in consultation with the International Association of East-West Center Alumni (IAEWCA). The program is designed to offer advanced educational opportunities to Center alumni in recognition of their special role in both the Center's development and their home societies.

Planning was initiated for the Fourth International Alumni Conference to be held in Singapore in summer 1983. In fall 1981, plans to solicit alumni contributions to an Alumni Fund were realized in the first direct mailing and resulted--after twelve months--in raising over \$10,000. A total of 726 alumni in 34 countries and territories participated in this first organized attempt and individual contributions ranged from five to one-hundred dollars.

A new alumni association, Hong Kong, was added, bringing to 17 the number of formal alumni groups. Contact officers totaled 61 in 32 countries and territories.

The annual EWC Distinguished Alumni Award produced, for the first time, two recipients; Dr. Didin S. Sastrapradja from Indonesia, and Dr. Prem N. Kirpal from India.



## STUDENT AFFAIRS AND OPEN GRANTS

### Staff

#### Dean

Sumi Y. Makey, MA Counseling and Guidance, Teachers College, Columbia University, 1951. Joined Center in 1964 as staff member in former Institute for Student Interchange. Named head of Open Grants in 1972 and appointed dean of the newly formed Office of Student Affairs and Open Grants in April 1979. Native of Hawaii and received Bachelor's degree in psychology from University of Hawaii. Served as counselor and teacher in public schools in Hawaii and Washington, D. C. From 1960-64 served as Far East program specialist in the Office of Education (HEW) programming AID participants from Asia.

#### Assistant to the Dean

Michael P. Hamnett, PhD Social Anthropology, University of Hawaii, 1977. Received Bachelor's degree in philosophy and religion from Upsala College in 1969. Has conducted field research in both Micronesia and Papua New Guinea and has published on his work in those areas. His doctorate was earned while on a degree grant from the Center. From 1977-79, was a research fellow in the Culture Learning Institute where he conducted research on the ethics and management of international social science research. Was appointed assistant to the dean in October 1979.

#### Professional/Administrative

Gale Awaya, BEd Education, University of Hawaii, 1974. Assistant Participant Resources Officer. Joined Center staff in 1976. Has taught at Waipahu Community School.

Miriam L. Gould, MA Teaching of French, Teachers College, Columbia University, 1941. Staff Assistant. Has been with Center since February 1963, working first in the former Institute of Advanced Projects in a variety of offices and posts. Born in India and a resident of that country until college education. Returned in January, 1982.

June Y. Hirano, MA Speech Communication, University of Hawaii, 1967. Awards Officer. Joined the Center in 1970 as a staff member in Participant Activities after three years as an instructor with the Department of Speech-Communication at the University of Hawaii. Since 1973 has been associated with Award Services and in April 1979 was appointed head of the office.

Frances S. Kitibanlubhorn, BA Anthropology, University of Hawaii, 1969. Visa Officer. East-West Center Open Grants degree participant 1970-72 pursuing Master's degree in anthropology. Joined Center staff as Visa Officer in 1974. Resided and worked in Thailand for five years.

Rose Nakamura, BA Recreation, University of Hawaii, 1950. Program Officer. Has been with EWC since July 1963. Pursued graduate studies at the

University of Hawaii and University of Southern California. From 1951-63 served as lecturer, then instructor, and finally director of student personnel at the University of Hawaii at Hilo. Also served as manager of the Hilo campus library and as teacher in physical fitness for Peace Corps groups training in Hilo.

Joanne K. Punu, MA Political Science (International Relations), University of Hawaii, 1972. Participant Resources Officer. Did undergraduate work in political science and Asian studies at George Washington University and University of Pittsburgh, and has completed credits toward an MA in English as a second language. Came to the East-West Center from Peace Corps/Malaysia in 1970 and has previously held Center positions as resident assistant (1970-72), housing officer (1972-74), and participant activities officer (1976-78). Spent some time teaching on Niue Island in the South Pacific. Also serves as one of two equal employment opportunity coordinators.

John P. Sciacca, MA Health Care Administration, Central Michigan University, 1976; MPH Public Health Education, University of Hawaii, 1975. Health Officer. Undergraduate work in philosophy was carried out at University of Massachusetts. Spent two years as a Peace Corps volunteer in West Africa. Joined the Center in 1976 and resigned in August, 1982.

Fusae Uyemura, Secretarial Certificate from Margaret Dietz School of Business. Administrative Officer. Joined the Center in 1963 as secretary in the Institute for Student Interchange; transferred to Open Grants in 1970.

Jai Ho Yoo, Honorary Doctorate (Litt. D.) Dankook University, Seoul, 1981; MA, English Literature, Seoul National University; MA, American Studies, University of Hawaii. Alumni Officer. Came to the Center in 1975 from post as Deputy Director of the Korean-American Educational (Fulbright) Commission as well as visiting professor. Held academic positions including Chairman, English Department, and Chairman of Humanities Division, Air Force Academy; Visiting Professorships at Masan College, Myungji University, Ducksung Women's College, and Institute of Foreign Affairs and National Securities, Ministry of Foreign Affairs. Currently serves as member, Advisory Council on Peaceful Unification Policy chaired by President Chun Doo Hwan.



## PUBLICATIONS AND OTHER PRODUCTS

### G-Mapp Working Paper Series

Pune Workshop Report by Richard Chadwick, 13pp.

Political-Economic Modeling for National Decision-making Analysis (Lectures and analyses prepared for the Pune Workshop) by Richard Chadwick, 37pp.

Notes on Political Economic Modeling by Richard Chadwick, 12pp.

FUGI: Future of Global Interdependence: Running the Microeconomic Model by Richard Chadwick, 18pp.

Modeling Political-economic Decision-making in International Relations: Opportunities for the FUGI, AREA, and the World Bank Models by Richard Chadwick, 33pp.

Pune Workshop Report by Alison Currie, 43pp.

Introducing Global Models: Implementation of the G-MAPP Project by Peter House, 27pp.

Seminar-Workshop on Global Models and the Policy Process: (Jointly sponsored by the East-West Center and the Systems Research Institute) by J. G. Krishnayya, 7pp.

The G-MAPP System of Global Models (Prepared for International Institute of Applied Systems Analysis 9th Global Modeling Conference) by Don MacRae, 8pp.

Global Models and the Policy Process (G-MAPP) Project: Inception Report (Project outline published in Journal of Policy Modeling. Vol. 3. No. 3 (1981), 413-414.)

Regional Reorganization for the AREA Model by A. D. Narasimhalu, 56pp.  
Data Preparation for an India and Other South Asia Disaggregation of the SARU-AREA Global Model by K. T. Parker, 34pp.

Global Models and the Policy Process: An Introductory Study by Kalyan M. Raipuria, 30pp.

Analysis of Development Scenarios by Global Models by Kalyan M. Raipura, 82pp.



## PROJECT PARTICIPANTS

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 Min Chaw Liang, Pakistan, MS, Botanical Science  
 Nicanor Javier Liquido, Philippines, PhD, Entomology  
 William David Lobban, Australia, MA, Pacific Islands Studies Program  
 Haruyoshi Matsumoto, Japan, PhD, Ocean Engineering  
 Lise Diane McKean, Illinois, MA, Asian Studies  
 Jeffrey Madden Melrose, Hawaii, MUP, Urban & Reg Planning  
 Julita Tellei Wnibald Meyar, Republic of Belau, MPH, Public Health  
 Marlene Ann Meyer, Kansas, MA, Music  
 Joel Edward Miles, United States, MS, Horticulture  
 Priti Kumar Mitra, Bangladesh, PhD, History  
 Nancy Kathleen Nanney, Hawaii, PhD, Drama & Theatre  
 Arcoit Desai Narasimhalu, India, Electrical Engineering



Grant Allan Olson, United States, MA, Religion  
Bikenibeu Paeniu, Tuvalu, MA, Pacific Islands Studies Program  
Wen Flora Pao, Taiwan, China, MS, Nutritional Sciences  
Kenneth James Perszyk, Hawaii, PhD, Philosophy  
John Tipua Poha, Papua New Guinea, MEd, Educational Administration  
Nazar Ullah Raja, Pakistan, MS, Microbiology  
Edward Bruce Reynolds, United States, PhD, History  
Penelope Jane Ridings, New Zealand, PhD, Political Science  
Sally D. Ritterbush, Washington, D.C., PhD, Political Science  
Duangduarn Rungsaengchan, Thailand, MA, Linguistics  
Augusta Rengiil Salii, Saipan, Northern Marianas, MPH, Public Health  
Gail Catherine Savina, Washington, MA, Anthropology  
Lertdow Sayankena, Thailand, PhD, Linguistics  
Vincent Sebastian, Republic of Belau, JD, Law  
Graham Smith Sem, Papua New Guinea, MA, Geography  
Fa'auma Seui, American Samoa, EdD, Curriculum & Instruction  
Shankar Prasad Sharma, Nepal, PhD, Economics  
Sarah Margaret Shaw, New Zealand, MPH, Public Health  
Vittala Kunjibettu Shettigara, India, PhD, Geology & Geophysics  
Madan Lall Shrestha, Nepal, MS, Meteorology  
Donald Raymond Shuster, Hawaii, EdD, Educational Foundations  
Rezaul Karim Siddique, Bangladesh, MS, Geology & Geophysics  
Wing-Cheung So, Hong Kong, EdD, Educational Foundations  
Irawan Soehartono, Indonesia, MSW, Social Work  
Hatta Bin Solhee, Malaysia, PhD, Political Science  
Ganesan Srinivasan, India, PhD, Agronomy & Soil Science  
Pi-Chong Su, Taiwan, China, MEd, Secondary Education

Robert Timothy Swiecicki, Pennsylvania, MA, Philosophy

Noor Kumar Tamrakar, Nepal, MS, Civil Engineering

Leng-Seow Tan, Singapore, PhD, Electrical Engineering

Tanii, Japan, MA, Asian Studies

Sandra Jean Kiser Tawake, United States, MA, ESL (English as a Second Language)

Peter George Tchamitch, United States, MA, Asian Languages & Literature

Kar-Ling Catherine Too, Malaysia, PhD, Biochemistry

Naraina Pandurong Sinai Varde, India, PhD, Agronomy & Soil Science

Margo Vitarelli, United States, MA, Pacific Islands Studies Program

Chang-Hwai Wang, Taiwan, China, MA, Sociology

Theresa Anne Warsh, Hawaii, MPH, Public Health

Mark Kelley Webb, New York, MS, Agricultural & Resource Economics

Terence Anthony Wesley-Smith, New Zealand, PhD, Political Science

Shawn Victoria Whitson, Colorado, MA, Asian Studies

Melanie Patricia Wilkinson, Australia, MA, Linguistics

Lin Angela Wong, Singapore, MEd, Educational Communication & Technology

Shan-mei Wu, China, MA, Geography

Jose Mario Moises Tablante Yap, Philippines, MA, Economics

Yusof Suhaime Yatim, Malaysia, MA, Political Science

Hiock Khoon Yeo, Singapore, MEd, Educational Communication & Technology

Masayuki Yokota, Japan, MArch, Architecture

Azra Bano Zaigham, Pakistan, MUP, Urban & Reg Planning

Arfa Sayeda Zehra, Pakistan, PhD, History

### Classification of Music Instruments

### Participants

Rene Timur Alexander Lysloff, Graduate Student, University of Hawaii, Honolulu, Hawaii



James Larimore Matson, Graduate Student, State University of New York,  
Binghamton, New York

English as an International Language

Participant

Tae-il Kwon, Educational Researcher, International Cooperation Division,  
Ministry of Education, Seoul, Republic of Korea

Language Seminar

Participant

Hisashi Nakatomi, Assistant Attache, Embassy of Japan, Ministry of Foreign  
Affairs, Tokyo, Japan





# Public Affairs

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## PUBLIC AFFAIRS

The Office of Public Affairs reorganized its operations to accommodate the elimination of four positions (information writer, Hawaii services specialist, assistant publications editor, and photographer), and the transfer of the Alumni Office to Student Affairs and Open Grants. The objective of this reorganization was to streamline operations and increase production and outreach.

Major attention was given to reordering program priorities to reflect the Center's mandate, focusing activities to engage specific audiences, and creating the organization and infrastructure for an efficient and effective public affairs program.

## Community Services

Emphasis in the Community Services section has been placed on organizing events to spotlight the Center--its mission and programs--and targeting these events to specific audiences.

Highlights of the year's activities include:

Organizing the convocation of EWC President Victor Hao Li, involving over 600 community leaders.

Coordinating the visit and address by then-Prime Minister of Japan, Zenko Suzuki, attended by over 600 Hawaii, national, and international leaders and members of the media.

Initiating the first Hawaii International Film Festival, for which over \$200,000 in cash and in-kind services was raised to present a week of films, seminars, informal discussions, social events, and exhibits for nearly 15,000 people. Described as the most successful humanities project in its history by the Hawaii Committee for the Humanities, the event was recognized by a Hawaii State House of Representatives resolution and received the Council for Advancement and Support of Education (CASE) exceptional merit award.

Presenting a concert by the Honolulu Symphony with Maestro Chen Xieyang, conductor of the Shanghai Ballet Orchestra. The concert and reception that followed were enjoyed by over 800 guests.

Organizing lecture/luncheons at the Center. Guest speakers included Saburo Okita, former Japan Minister of Economics; U.S. Ambassador and EWC Diplomat-in-Residence William Bodde, Jr. and Center staff involved in Pacific Island research; EWC researchers working on Pacific Resources; and U.S. Consul General Burton Levin.

Coordinating governmental affairs, which included visits and lectures at the Center by U.S. Senator Spark Matsunaga; U.S. Congressman Cecil Heftel;

EWC briefings for members of the U.S. House Interior Subcommittees on Public Lands and National Parks, and on Insular Affairs; U.S. Congressman Daniel Akaka and members of the House Subcommittee on Natural Resources, Agricultural Research, and Environment, and members of the 1982 Hawaii State Legislature; and a reception for the Chiefs of Mission in the Asian and Pacific region attended by 150 community leaders.

Organizing public lectures, luncheons, and events for visiting dignitaries at the Center, attracting some 850 people.

Organizing a Center Open House with a luncheon, panel, and tour for 200 community leaders.

Organizing a Centerwide dinner featuring the presentation of merit awards, attended by 600 EWC staff members, participants, alumni, and Friends.

Developing a Speakers Bureau, which placed 58 EWC staff, researchers, and participants in speaking engagements with community groups, reaching an audience of over 2,000.

Briefing 430 visiting VIPs on the Center and organizing their visits to appropriate Institutes and offices.

Updating thirty EWC country reports and developing four regional reports.

Production of Voice of America radio programs and coordinating nine one-half hour television programs.

Providing assistance for the Friends of the East-West Center, a community support group composed of some 500 members, by training volunteers; supporting the host family, tour guide and Jefferson Hall desk programs; increasing membership; and developing new programmatic opportunities.

Coordinating the renovation of the Jefferson Hall Lobby, installing information modules in Burns Hall lobby, and designing a commons room.

Developing a 10,000 entry audience list on the word processing system to produce invitation lists, mailing labels, and directory listings.

### News Services

Highlights of the year included another significant increase in the number of Center articles printed in Honolulu media and development of programs increasing Center exposure in other news media in the region.

Honolulu Media: Coverage of EWC projects, events, and people in the two Honolulu daily newspapers continued to substantially increase. The total of news articles, features, editorial page material, photo layouts, and daily column items averaged six per week through the year. In addition, numerous calendar items were printed on Center events in both papers. The dailies covered the Center's work in such areas as the increasing use of coal, China's energy potential, a new training approach for construction



project managers, RSI's Asia-Pacific Energy Consultative Group, the future of OPEC, agroforestry, problems faced by tropical forests, nuclear waste, and mental health. Center material also was placed in Hawaii foreign language newspapers, Pacific Business News and Hawaii Business magazine, Honolulu and Aloha magazines, the Waikiki visitor publications, and various special-interest publications such as the Cultural Climate and Historic Hawaii News.

Regional Media: News coverage also increased in Asia and the Pacific. Contacts were established with newspaper editors and former Jefferson Fellows. Center program representatives assisted in providing lists of major media contacts and clippings of Center stories. Increased contact with media took two forms: (1) news stories on both a mass and an individualized basis, and (2) packets of advance information to area media on Center conferences and workshops held outside of Hawaii, giving background, in-country contacts, and story possibilities. Sample of results: Philippines and New Zealand media used a feature on the RSI project management program, Korean newspapers covered the EAPI coal workshop, Japanese newspapers covered the Board of Governors meeting in Tokyo, U.S. mainland newspapers reported on the EAPI coal conferences in three southern states, and business and trade media covered the RSI presentation on OPEC in New York City. Other contact was made in alerting mainland media to interview opportunities with specialists who participated in Center programs. In contacts throughout the region, there was good response to our feedback sheets, on which editors indicated specific interests and requests for additional information. Clippings of Center related articles were retrieved from newspapers and magazines in Australia, Fiji, Guam, Indonesia, Japan, Korea, Malaysia, New Zealand, Papua New Guinea, Philippines, Saipan, and Thailand.

Newsletters: Published eighteen issues of the "At the Center" newsletter for the Honolulu community, including legislators and state officials, Center alumni, members of the Friends of the East-West Center, and community leaders. Circulation increased to nearly 4,000. Published fifty issues of "Centerweek" (formerly called "Intrachange") for the Center community and extended circulation.

Additional Activities: Work included producing a special issue of Perspectives magazine featuring the text of former Japan Prime Minister Suzuki's address and a background article on the Center and its relationship with Japan; producing of scripts for a new Center slide presentation and a series of two-minute news/feature spots for local radio; promotional copy for a new brochure for the Friends of the East-West Center; placement of numerous Center interviews on Hawaii Public Radio and Voice of America; formulating a more concise and effective format for Center country reports; and preparing a preliminary version of a Center annual review publication.

#### Central Publications Services

The Central Publications section produced two issues of East-West Perspectives, the 1980-81 Annual Report, the East-West Poetry Book, a

general information folder, a public service advertisement for the Center that appeared in GEO and Newsweek magazines, two Congressional Record insertions, and a new press kit. The unit received a letter of commendation from the International Association of Business Communicators and numerous requests to reprint articles appearing in Perspectives.

#### Media Production Services

The Media Production Services (MPS) section of the Public Affairs Office established a full chargeback operation to recover all operating expenses, including salaries. At the end of the year, 41 percent recovery was realized.

During the year, MPS handled 574 work requests with heavy emphasis on graphics and print-related materials. The unit was responsible for supplying most of the Center with brochures, posters, flyers, booklets, books, artwork, charts, graphs, maps, figures, newsletters, publication formats, and cost estimates. It also prepared art and copy for printing and purchased print and print-related materials for the Center.

In addition, MPS also handled black-and-white photography, ID cards, color photo processing, slide production and duplication, and group pictures. At the end of the year, however, photography services were terminated due to decreasing usage. Identification cards are now being processed at the University of Hawaii and other photographic needs are being met by freelancers.

#### Audio and Video Production Services

The Audio and Video Production Services section continued to provide audiovisual production services to the Center and nonprofit external organizations. It sought to complement the research dissemination efforts at the Center by supplementing the traditional print medium with broadcasts of Center radio and television programs.

This year saw the completed filming and editing of a half-hour videotape "Slowly Dying Embers: Radioactive Waste and the Pacific," which was shown on Hawaii Public Television and KGMB (the CBS affiliate in Hawaii) and is scheduled for broadcast on stations affiliated with the Public Broadcasting System.

Other productions included three half-hour videotapes (Indonesian Gamelan, East-West Center Overview, and "Hawaii: Part of the American Tapestry"); two slide tape programs for EAPI; 25 radio interview programs for Public Affairs; and video coverage of various events at the Center.

In cooperation with the Center's Communication Institute, this unit also coordinated two videoconferences. The most recent was a three-point videoconference originating from a studio in Washington, D.C. and transmitted simultaneously to fifty people in Honolulu and another one hundred in the District of Columbia. It also provided technical management and facilities for an international audio teleconference.



"Asia Pacific Features," a new radio program providing a series of 26 half-hour, in-depth discussions of ethical, philosophical, and socio-technical developments and issues in modern Asia and the Pacific, was created. Partial external funding for the project has already been received.

### Logistics Services

The Logistics Office provides facilities and services for conferences, seminars, and special events. Intellectual, political, scientific, and technical leaders from around the world have met at the Center for this purpose. While designed primarily to serve the five Center Institutes, the facilities at the Center are available to international, University of Hawaii, and other local community institutions and groups.

The Logistics Office provided support for 149 Center-sponsored conferences and events; 5 U.S./Japan Seminars; 2 U.S./Australian (New Zealand) conferences; 51 University of Hawaii seminars and workshops; and 184 meetings and special events sponsored by local government agencies or educational, civic, research, and professional organizations, such as the Japan-United States Economic Relations Group, the U.S. Department of Commerce, the American Institute of Biological Sciences, the National Cancer Institute, the American Society for Microbiology, the Mitsubishi Oil Company, the Center for Asian and Pacific Studies and the American Council of Learned Societies, the Hawaii Nurses Association, the Hawaii Literacy Group, and many other community groups. Support was also provided for numerous special events sponsored by the Center such as the Friday Night Film Series, academic ceremonies, luncheons, displays, and exhibits.

During the year, conference facilities were improved--teleconferencing facilities at the Center were upgraded and the chairs and carpet in the Asia Room replaced.





# Office of the Vice President for Administration

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Wesley T. Park, Vice President for Administration

The objective of the Office of Administration is to assist the president in the overall management of the Center by providing essential administrative support services to the institutes and offices. Administrative services are provided through the following units: Finance and Management Systems, Contracts and Procurement, Business Services, Housing and Facilities Management, and the Personnel Office.

## Finance and Management Systems

The Finance and Management Systems Unit is responsible for the accounting, disbursing, computer systems, budget, and treasury functions of the Center. This unit evaluated, selected, and purchased new computers to supplement the load carried by the Center's existing minicomputers; installed more word-processing facilities throughout the Center; prepared budget and accounting plans and pro formas; and carried out accounting, disbursing, treasury, and cashiers functions.

## Contracts and Procurement

The Contracts and Procurement unit provided centralized procurement of a wide variety of office, educational, audio visual and housing materials, supplies, equipment, and maintenance services; and rendered assistance and guidance in administering contracts and grant awards totaling, \$1,012,718.

## Business Services

The Business Services Unit carried out centralized mail services and printing services for the Center.

## Housing and Facilities Management

The Housing unit began operating as an auxiliary enterprise in FY82. Revenues generated from housing operations totaled \$926,845, while operating expenses were \$809,246.

The Facilities Management unit spent much effort on projects and food service. It was a year of improvements, repairs, renovations, and energy conservation. Projects totaling \$497,302 were completed during the year. Electrical conservation measures resulted in a savings of \$40,000.

## Personnel Office

The Personnel Office's purpose is to develop and maintain a comprehensive personnel system that is best suited to the Center's needs. The ongoing

activities include assisting employees with problems and concerns relating to their employment, maintaining general personnel operations, and reviewing and developing personnel policies and procedures. This unit worked with the HGEA on various labor relations issues; conducted in-depth classification reviews; and carried out required recruitment and benefit activities.

## **Participant Statistics**





PARTICIPANTS BY INSTITUTE

October 1, 1981 - September 30, 1982

Participant Numbers

	Fellows	Professional Associates		Research Interns	Joint Doctoral Research Interns	Students		Total
		EWC	Field			Doctorate	Masters	
Communication Institute	51	90	59	22	4	19	34	279
Culture Learning Institute	30	167	11	11	2	17	41	279
Pacific Islands Development Program	4	48		7				59
Centerwide Programs	10	77		2				89
Environment & Policy Institute	38	126	232	37	2	20	13	468
Population Institute	54	158	41	34	2	36	19	344
Resource Systems Institute	30	159	30	51	11	32	22	335
Open Grants	12	4		1		42	66	125
TOTAL	229	829	373	165	21	166	195	1,978

Participant Months

	Fellows	Professional Associates		Research Interns	Joint Doctoral Research Interns	Students		Total
		EWC	Field			Doctorate	Masters	
Communication Institute	122	142	25	102	37	161	212	801
Culture Learning Institute	130	152	3	59	20	136	246	746
Pacific Islands Development Program	15	8		37				60
Centerwide Programs	20	17		3				40
Environment & Policy Institute	138	81	67	138	17	172	91	704
Population Institute	204	106	4	169	9	260	125	877
Resource Systems Institute	149	109	16	219	75	286	150	1,004
Open Grants	56	28		12		373	347	816
TOTAL	834	643	115	739	158	1,388	1,171	5,048

East-West Center Participants by Country  
October 1, 1981 - September 30, 1982

	Fellows	Professional Associates		Research Interns	Joint Doctoral Research Interns	Students		Total
		ENC	Field			Doctorate	Masters	
South East Asia								
Indonesia	7	31	50	4		5	8	105
Malaysia	4	30	11	3	1	8	6	63
Philippines	9	57	143	28	2	13	6	258
Singapore	1	12	3	1		2	6	25
Thailand	5	39	22	10	4	14	4	98
Vietnam		6						6
SUBTOTAL	26	175	229	46	7	42	30	555
East Asia								
China								
Mainland	10	60	16	5		1	8	100
Taiwan		24	4	7		6	8	49
Hong Kong	3	6	1	1		3	5	19
Japan	11	28	21	7	1	6	8	82
Korea	9	24	13	10		15	12	83
Macao		6						6
SUBTOTAL	33	148	55	30	1	31	41	339
South Asia								
Bangladesh		5	1	2		3	4	15
India	10	27	6	3	1	10	4	61
Iran					1	1		2
Nepal	3	3	2	3		4	3	18
Pakistan	2	8	1	1	1	5	7	25
Sri Lanka		7	6	1		4	2	20
SUBTOTAL	15	50	16	10	3	27	20	141
Pacific Region								
Australia	11	37	25	4	1	4	9	91
New Zealand	4	16	6	3		6	6	41
American Samoa	1	6				1	1	9
Belau		3					2	5
Cook Islands		4					1	5
Fed. Micronesia		2					3	5
Fiji	2	12		1		2	1	18
Guam		1				2	3	6
Kiribati		2					1	3
Marshall Islands		2						2
New Caledonia		1						1
Northern Marianas		2				1	1	4
Papua New Guinea	1	9	3	1			6	20
Solomon Islands		2						2
Tonga		3		1			1	5
Tuvalu		1					1	2
Vanuatu		1						1
Western Samoa		3						3
SUBTOTAL	19	107	34	10	1	16	36	223
United States	126	305	33	68	9	50	68	659
Other	10	44	6	1				61
TOTAL	229	829	373	165	21	166	195	1,978



## East-West Center Participants by Country 1960 - 1982

	Fellows	Professional Associates		Research Interns	Joint Doctoral Research Interns	Students			Total
		EW	Field			Doctorate	Masters	Bachelors	
South East Asia									
Brunei								1	1
Burma	2	11		1			17	1	32
Cambodia		13	1				2	4	20
Indonesia	58	714	186	52	5	16	73	10	1,114
Laos		32	1				1	42	76
Malaysia	16	412	57	32	3	20	61	39	640
Philippines	70	858	328	100	18	45	236		1,655
Singapore	6	125	65	5		5	27	6	239
Thailand	37	744	508	48	12	40	176		1,565
Vietnam	1	46	12	3	1		25	13	101
SUBTOTAL	190	2,955	1,158	241	39	126	618	116	5,443
East Asia									
China									
Mainland	14	121	43	5		1	8		192
Taiwan	36	617	675	25	7	25	179		1,564
Hong Kong	11	147	12	11	2	8	56		247
Japan	118	1,308	2,766	33	10	35	294	1	4,565
Korea	65	623	293	54	18	64	198		1,315
Macao		6							6
SUBTOTAL	244	2,822	3,789	128	37	133	735	1	7,889
South Asia									
Afghanistan	1	41	1	10		6	18	23	100
Bangladesh	9	164	22	10	1	7	31		244
India	71	453	66	23	13	67	154	2	849
Iran	6	64	5	5	1	2	2		85
Nepal	6	81	36	12	4	6	37	4	186
Pakistan	23	151	11	37	3	37	77		339
Sri Lanka	12	145	30	11	1	13	32		244
SUBTOTAL	128	1,099	171	108	23	138	351	29	2,047
Pacific Region									
Australia	60	284	457	8	2	18	49	1	879
New Zealand	30	203	211	13	3	13	29		502
American Samoa	4	220	917			1	5	11	1,158
Belau		161	48				6	7	222
Cook Islands	2	47	57				4	1	111
Easter Island		1				1			2
Fed. Micronesia		370	156			1	10	21	558
Fiji	8	192	404	5	1	3	8	26	647
French Polynesia	1	20	8	1					30
Gilbert Islands		36	4						40
Guam	1	77	215			2	4	1	300
Kiribati		3	2				1		6
Marshall Islands		124	78			1	1	4	208
Nauru		8							8
New Caledonia		31	140	1					172
Niue		13	3					1	17
Norfolk Island			1						1
Northern Marianas	1	205	194	3		1	6	5	415
Papua New Guinea	4	124	19	4			11	5	167
Solomon Islands	1	31	84				1		117
Tonga	4	85	92	4			3	10	198
Trust Territory		58	632						690
Tuvalu		2	1				1		4
Vanuatu		23	167						190
Western Samoa	4	157	382	1		1	5	8	558
SUBTOTAL	120	2,475	4,272	40	6	42	144	101	7,200
United States	619	5,240	257	234	51	197	879	19	7,496
Other	25	469	12	11	1				518
TOTAL	1,326	15,060	9,659	762	157	636	2,727	266	30,593

FY 1982 PARTICIPANT AWARDS BY OCCUPATIONAL CATEGORY

	Fellows	Professional Associates and Interns	Students and Joint Doctoral Research Interns	Total
<u>CENTRAL GOVERNMENT (24.3%)</u>				
Ministerial Level Officials	1			1
Executive Level Officials	2	5		7
Professionals and Scientists in Central Government	27	369	41	437
Legislators		17		17
Others in Central Government	1	12	7	20
<u>STATE, REGIONAL OR PROVINCIAL GOVERNMENT (1.7%)</u>				
Governors or Other Reg Chiefs		1		1
Executive Level Reg Officials		1		1
Senior Reg Dept Heads		2		2
Professionals and Scientists in Regional Government	1	22	7	30
Others in Regional Government	1			1
<u>CITY OR TOWN GOVERNMENT (.3%)</u>				
Professionals and Scientists in City Government		5	1	6
Others in City or Town Government		1		1
<u>INTERNATIONAL ORGANIZATIONS (1.6%)</u>				
Employees of International Organizations	8	22	2	32
<u>UNIVERSITY LEVEL (48.0%)</u>				
University Presidents or Rectors	1	1		2
University Administrative Staff	27	109	1	137
University Teaching or Research Staff	91	331	82	504
University Graduate Students	7	100	116	223
University Undergraduate Students			27	27
Others in Universities	3	46	9	58
<u>SECONDARY SCHOOLS (2.2%)</u>				
Secondary School Teachers or Staff		33	11	44
<u>BUSINESS (3.3%)</u>				
Corporate Executives	1	16	1	18
Managers Employed by Business		16	1	17
Employees		2	3	5
Professionals and Scientists Employed by Business	3	9	10	22
Others in Business		4		4
<u>SELF-EMPLOYED PROFESSIONALS (.3%)</u>				
Technical Field		2		2
Other Self-Employed Professionals	2	2		4
<u>INDEPENDENT INSTITUTES, NON-PROFIT CORPORATIONS, HOSPITALS, ETC. (13.7%)</u>				
Directors of Institutes, Corporations or Hospitals	9	17	1	27
Managers-Executives in Institutes and Corporations	10	56	5	71
Employees of Institutes and Corporations	3	22	8	33
Professionals and Scientists Employed by Institutes, etc.	15	79	36	130
Others in Institutes and Corporations		10	1	11
<u>THE ARTS (.05%)</u>				
Composers/Musicians	1			1
<u>ELECTRONIC MEDIA (1.2%)</u>				
Radio and TV Journalists			2	2
Others in Electronic Media	1	6	3	10
<u>PRINTED MEDIA (1.5%)</u>				
Editors	5	5		10
Journalists	4	13	1	18
Others in Printed Media	1			1
<u>MILITARY (.05%)</u>				
Military	1			1
<u>OTHER (2.0%)</u>				
Other/Unspecified	3	31	6	40
<b>TOTAL</b>	<b>229</b>	<b>1,367</b>	<b>382</b>	<b>1,978</b>

## **Financial Information**





CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

BALANCE SHEET

September 30, 1982 and 1981

ASSETS

	<u>1982</u>	<u>1981</u>
Current funds (Note 1):		
General operating funds:		
Cash (including interest bearing accounts of \$1,503,775 and \$1,148,865 and book overdrafts of \$862,634 and \$869,360 for 1982 and 1981, respectively)	\$ 641,141	\$ 279,505
Due from United States Information Agency	2,875,972	2,029,601
Accounts receivable (Note 5)	154,324	183,816
Inventories	18,121	3,103
Prepaid expenses	137,655	182,498
Equity in publishing fund	<u>53,309</u>	<u>52,083</u>
Total general operating funds	<u>3,880,522</u>	<u>2,730,606</u>
Restricted operating funds:		
Cash	3,241	2,720
Prepaid expenses	9,922	1,382
Due from general operating funds	145,543	31,687
Due from sponsors (Note 2)	<u>1,464,557</u>	<u>1,463,511</u>
Total restricted operating funds	<u>1,623,263</u>	<u>1,499,300</u>
Total current funds	<u>5,503,785</u>	<u>4,229,906</u>
Endowment funds:		
Savings account	12,904	12,073
Due from general operating funds	<u>258</u>	<u>119</u>
Total endowment funds	<u>13,162</u>	<u>12,192</u>
Plant funds (Note 1):		
Due from general operating funds	400,000	400,000
Furniture and equipment	3,600,087	2,604,851
Building improvements	<u>1,641,769</u>	<u>1,291,704</u>
Total plant funds	<u>5,641,856</u>	<u>4,296,555</u>
Elimination of interfund balances	<u>( 545,801)</u>	<u>( 431,806)</u>
	<u>\$ 10,613,002</u>	<u>\$ 8,106,847</u>

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

BALANCE SHEET

September 30, 1982 and 1981

LIABILITIES AND FUND BALANCES

	<u>1982</u>	<u>1981</u>
Current funds (Note 1):		
General operating funds:		
Accounts payable and accrued liabilities	\$ 848,975	\$ 314,471
Accrued vacation (Note 6)	868,972	949,601
Due to United States Information Agency	77,638	803
Other deposits	3,322	1,270
Due to plant funds	400,000	400,000
Due to endowment funds	258	119
Due to restricted operating funds	145,543	31,687
Commitments and contingencies (Note 3)	-	-
Fund balance:		
Equity in publishing fund	53,309	52,083
Unappropriated (Notes 3, 4 and 6)	1,482,505	980,572
	<u>1,535,814</u>	<u>1,032,655</u>
Total general operating funds	<u>3,880,522</u>	<u>2,730,606</u>
Restricted operating funds:		
Accounts payable and accrued liabilities	13,727	6,746
Accrued vacation	21,545	21,347
Commitments and contingencies (Note 3)	-	-
Fund balance	1,587,991	1,471,207
	<u>1,623,263</u>	<u>1,499,300</u>
Total restricted operating funds	<u>1,623,263</u>	<u>1,499,300</u>
Total current funds	<u>5,503,785</u>	<u>4,229,906</u>
Endowment funds:		
Fund balance	13,162	12,192
	<u>13,162</u>	<u>12,192</u>
Total endowment funds	<u>13,162</u>	<u>12,192</u>
Plant funds (Note 1):		
Renewals and replacements - unrestricted	400,000	400,000
Net investment in plant	5,241,856	3,896,555
	<u>5,641,856</u>	<u>4,296,555</u>
Total plant funds	<u>5,641,856</u>	<u>4,296,555</u>
Elimination of interfund balances	( 545,801)	( 431,806)
	<u>\$ 10,613,002</u>	<u>\$ 8,106,847</u>



CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

STATEMENT OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES

Years ended September 30, 1982 and 1981

	Current Funds			Current Funds		
	Year ended September 30, 1982			Year ended September 30, 1981		
	General Operating	Restricted Operating	Total	General Operating	Restricted Operating	Total
<b>Revenues:</b>						
Federal appropriation	\$ 16,880,000	\$ -	\$ 16,880,000	\$ 15,750,000	\$ -	\$ 15,750,000
Gifts:						
General	222,264	-	222,264	389,647	-	389,647
Cost sharing-cash	223,111	-	223,111	108,102	-	108,102
Cost sharing-donated services	1,302,943	-	1,302,943	1,599,795	-	1,599,795
Contracts and grants:						
Federal	-	979,986	979,986	-	1,241,564	1,241,564
Other	-	321,942	321,942	-	242,527	242,527
Auxiliary enterprises	327,443	-	327,443	186,813	-	186,813
Indirect costs recovered	164,124	-	164,124	211,481	-	211,481
Other	232,806	-	232,806	219,529	-	219,529
<b>Total current revenues</b>	<b>19,352,691</b>	<b>1,301,928</b>	<b>20,654,619</b>	<b>18,465,367</b>	<b>1,484,091</b>	<b>19,949,458</b>
<b>Expenditures:</b>						
Education, research and training programs:						
Communications Institute	2,013,811	89,393	2,103,204	2,109,428	84,323	2,193,751
Cultural Learning Institute	2,066,342	31,259	2,097,601	2,462,866	6,166	2,469,032
Resource Systems Institute	2,304,600	279,681	2,584,281	2,198,167	205,782	2,403,949
Population Institute	2,245,649	679,532	2,925,181	2,158,910	1,087,590	3,246,500
Environment and Policy Institute	2,061,839	38,976	2,100,815	2,091,908	53,116	2,145,024
Open grants	1,449,488	9,654	1,459,142	1,523,031	7,809	1,530,840
Pacific Island Development Program	239,852	124,419	364,271	204,899	29,321	234,220
Center wide programs	267,502	28,012	295,514	-	-	-
Education dissemination service	215,660	-	215,660	227,961	-	227,961
Auxiliary services	1,058,147	-	1,058,147	752,529	-	752,529
	13,922,890	1,280,926	15,203,816	13,729,699	1,474,107	15,203,806
Program direction, administration and institute support:						
Board of Governors and International Advisory Panel	170,451	-	170,451	185,162	-	185,162
President	1,382,738	21,002	1,403,740	1,399,591	3,320	1,402,911
Vice President Administration	2,434,872	-	2,434,872	1,827,157	6,664	1,833,821
Plant operations	939,807	-	939,807	618,929	-	618,929
	4,927,868	21,002	4,948,870	4,030,839	9,984	4,040,823
<b>Total current expenditures</b>	<b>18,850,758</b>	<b>1,301,928</b>	<b>20,152,686</b>	<b>17,760,538</b>	<b>1,484,091</b>	<b>19,244,629</b>
	501,933	-	501,933	704,829	-	704,829
<b>Other changes:</b>						
Excess of current restricted awards over expenditures	-	116,784	116,784	-	18,128	18,128
Unrestricted funds allocated to plant funds	-	-	-	( 25,000)	-	( 25,000)
Net increase in equity in publishing funds	1,226	-	1,226	30,470	-	30,470
<b>Net increase in fund balances</b>	<b>\$ 503,159</b>	<b>\$ 116,784</b>	<b>\$ 619,943</b>	<b>\$ 710,299</b>	<b>\$ 18,128</b>	<b>\$ 728,427</b>

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.  
STATEMENT OF CHANGES IN FUND BALANCES  
Years ended September 30, 1982 and 1981

	Year ended September 30, 1982				Year ended September 30, 1981			
	General Operating Funds	Restricted Operating Funds	Endowment Funds	Plant Funds	General Operating Funds	Restricted Operating Funds	Endowment Funds	Plant Funds
Revenues and other additions:								
Federal appropriation	\$ 16,880,000	\$ -	\$ -	\$ -	\$ 15,750,000	\$ -	\$ -	\$ -
Expended for plant facilities charged to current funds expenditures	-	-	-	1,423,695	-	-	-	390,427
Gifts and bequests unrestricted	222,264	-	-	-	389,647	-	-	-
Auxiliary enterprises revenue	327,443	-	-	-	186,813	-	-	-
Gifts, grants and contracts - restricted	-	1,418,712	970	-	-	1,502,219	1,133	-
Investment income	137,481	-	1,766	-	110,479	-	1,386	-
Indirect costs recovered	164,124	-	-	-	211,481	-	-	-
Other miscellaneous income	95,325	-	-	-	109,050	-	-	-
Cost sharing gifts and donated services	1,526,054	-	-	-	1,707,897	-	-	-
Equity in publishing fund	1,226	-	-	-	30,470	-	-	-
Total revenues and other additions	<u>19,353,917</u>	<u>1,418,712</u>	<u>2,736</u>	<u>1,423,695</u>	<u>18,495,837</u>	<u>1,502,219</u>	<u>2,519</u>	<u>390,427</u>
Expenditures and other deductions:								
Education, research and training programs (including \$1,058,147 and \$752,529 of auxiliary enterprises expenditures for 1982 and 1981, respectively)	13,922,890	1,280,926	-	-	13,729,699	1,474,107	-	-
Administration and general expense	4,927,868	21,002	-	-	4,030,839	9,984	-	-
Equipment deletion	-	-	-	78,394	-	-	-	115,974
Investment income restricted	-	-	1,766	-	-	-	1,386	-
Total expenditures and other deductions	<u>18,850,758</u>	<u>1,301,928</u>	<u>1,766</u>	<u>78,394</u>	<u>17,760,538</u>	<u>1,484,091</u>	<u>1,386</u>	<u>115,974</u>
Transfer among funds - unrestricted funds allocated	-	-	-	-	( 25,000)	-	-	25,000
Net increase for the year	503,159	116,784	970	1,345,301	710,299	18,128	1,133	299,453
Fund balance, beginning of year	<u>1,032,655</u>	<u>1,471,207</u>	<u>12,192</u>	<u>4,296,555</u>	<u>322,356</u>	<u>1,453,079</u>	<u>11,059</u>	<u>3,997,102</u>
Fund balance, end of year	<u>\$ 1,535,814</u>	<u>\$1,587,991</u>	<u>\$13,162</u>	<u>\$5,641,856</u>	<u>\$ 1,032,655</u>	<u>\$1,471,207</u>	<u>\$12,192</u>	<u>\$4,296,555</u>
	(Schedule I)	(Schedule V)			(Schedule II)	(Schedule VI)		

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN GENERAL OPERATING FUND BALANCES

Year ended September 30, 1982

	Federal Appropriation	Other Current Funds	Indirect Costs Recovered	Publication Fund	Inter Fund Elimination	Total General Operating Funds
<b>Revenues and other additions:</b>						
Federal appropriation	\$16,880,000	\$ -	\$ -	\$ -	\$ -	\$16,880,000
Gifts and bequests - unrestricted	-	222,264	-	-	-	222,264
Auxiliary enterprises revenue	-	926,845	-	-	(599,402)	327,443
Investment income	-	137,481	-	-	-	137,481
Educational activities	-	314,376	-	-	(314,376)	-
Indirect costs recovered	-	-	164,124	-	-	164,124
Other miscellaneous income	-	28,039	-	-	67,286	95,325
Cost sharing gifts and donated services	-	1,526,054	-	-	-	1,526,054
Equity in publishing fund	-	-	-	1,226	-	1,226
<b>Total revenues and other additions</b>	<b>16,880,000</b>	<b>3,155,059</b>	<b>164,124</b>	<b>1,226</b>	<b>( 846,492)</b>	<b>19,353,917</b>
<b>Expenditures and other deductions:</b>						
Education, research and training programs (including \$1,033,415 and \$24,732 of auxiliary enterprise expenditures from federal appropriation and other current funds, respectively)	12,438,757	2,666,279	-	-	(1,182,146)	13,922,890
Administration and general expense	3,672,194	755,896	164,124	-	335,654	4,927,868
<b>Total expenditures and other deductions</b>	<b>16,110,951</b>	<b>3,422,175</b>	<b>164,124</b>	<b>-</b>	<b>( 846,492)</b>	<b>18,850,758</b>
<b>Net increase (decrease) for the year</b>	<b>769,049</b>	<b>( 267,116)</b>	<b>-</b>	<b>1,226</b>	<b>-</b>	<b>503,159</b>
<b>Fund balance, beginning of year</b>	<b>-</b>	<b>980,572</b>	<b>-</b>	<b>52,083</b>	<b>-</b>	<b>1,032,655</b>
<b>Fund balance, end of year</b>	<b>\$ 769,049</b>	<b>\$ 713,456</b>	<b>\$ -</b>	<b>\$53,309</b>	<b>\$ -</b>	<b>\$ 1,535,814</b>



CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN GENERAL OPERATING FUND BALANCES

Year ended September 30, 1981

	<u>Federal Appropriation</u>	<u>Other Current Funds</u>	<u>Indirect Costs Recovered</u>	<u>Publication Fund</u>	<u>Inter Fund Elimination</u>	<u>Total General Operating Funds</u>
Revenues and other additions:						
Federal appropriation	\$15,750,000	\$ -	\$ -	\$ -	\$ -	\$ 15,750,000
Gifts and bequests - unrestricted	-	389,647	-	-	-	389,647
Auxiliary enterprises revenue	-	912,950	-	-	(726,137)	186,813
Investment income	-	110,479	-	-	-	110,479
Educational activities	-	289,533	-	-	(289,533)	-
Indirect costs recovered	-	-	211,481	-	-	211,481
Other miscellaneous income	-	80,525	-	-	28,525	109,050
Cost sharing gifts and donated services	-	1,707,897	-	-	-	1,707,897
Equity in publishing fund	-	-	-	30,470	-	30,470
<b>Total revenues and other additions</b>	<b>15,750,000</b>	<b>3,491,031</b>	<b>211,481</b>	<b>30,470</b>	<b>(987,145)</b>	<b>18,495,837</b>
Expenditures and other deductions:						
Education, research and training programs (including \$723,721 and \$28,808 of auxiliary enterprise expenditures from federal appropriation and other current funds, respectively)	12,161,991	2,473,463	-	-	(905,755)	13,729,699
Administration and general expense	3,588,009	312,739	211,481	-	( 81,390)	4,030,839
<b>Total expenditures and other deductions</b>	<b>15,750,000</b>	<b>2,786,202</b>	<b>211,481</b>	<b>-</b>	<b>(987,145)</b>	<b>17,760,538</b>
Transfer among funds - unrestricted funds allocated	-	( 25,000)	-	-	-	( 25,000)
<b>Net increase for the year</b>	<b>-</b>	<b>679,829</b>	<b>-</b>	<b>30,470</b>	<b>-</b>	<b>710,299</b>
<b>Fund balance, beginning of year</b>	<b>-</b>	<b>300,743</b>	<b>-</b>	<b>21,613</b>	<b>-</b>	<b>322,356</b>
<b>Fund balance, end of year</b>	<b>\$ -</b>	<b>\$ 980,572</b>	<b>\$ -</b>	<b>\$52,083</b>	<b>\$ -</b>	<b>\$ 1,032,655</b>

Schedule IIICENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1982

	<u>General Operating</u> <u>Gifts</u>			<u>Restricted</u> <u>Gifts,</u> <u>Grants and</u> <u>Contracts</u>	<u>Total</u>
	<u>General</u>	<u>Cost</u> <u>Sharing</u>	<u>Donated</u> <u>Services</u>		
<u>Public Donors:</u>					
Australia	\$ -	\$ 900	\$ 75,916	\$ 114,815	\$ 191,631
Bangladesh	5,640	-	1,171	-	6,811
Canada	-	5,385	19,521	-	24,906
China	-	-	16,791	-	16,791
Fiji Islands	-	-	5,789	5,000	10,789
Indonesia	34,040	500	116,568	-	151,108
Japan	-	9,173	48,012	70,000	127,185
Korea	96,244	-	52,000	-	148,244
New Zealand	-	400	5,464	-	5,864
Pakistan	2,840	-	-	-	2,840
Philippines	-	1,700	84,189	-	85,889
Sri Lanka	1,000	-	-	-	1,000
Thailand	50,000	930	87,128	-	138,058
United States	-	54,294	381,134	1,031,037	1,466,465
Coord. Council for N.A.	20,000	-	-	-	20,000
Federated States of Micronesia	-	-	-	2,000	2,000
Malaysia	12,500	-	21,001	-	33,501
New Guinea	-	2,000	9,735	-	11,735
Taiwan	-	-	11,046	-	11,046
Hong Kong	-	-	1,117	-	1,117
Nepal	-	-	2,866	-	2,866
India	-	-	4,963	-	4,963
American Samoa	-	2,700	96	2,000	4,796
England	-	-	1,864	-	1,864
Saudi Arabia	-	-	3,687	-	3,687
Singapore	-	-	12,321	-	12,321
Macau	-	4,484	-	-	4,484
Tonga Government	-	-	200	4,000	4,200

Schedule III  
(Cont'd.)

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1982

	<u>General Operating</u> <u>Gifts</u>			<u>Restricted</u> <u>Gifts,</u> <u>Grants and</u> <u>Contracts</u>	<u>Total</u>
	<u>General</u>	<u>Cost</u> <u>Sharing</u>	<u>Donated</u> <u>Services</u>		
<u>Public Donors:</u>					
Trust Territory					
Pacific	-	-	3,020	-	3,020
Cook Islands	-	-	5,620	-	5,620
Republic of Belau	-	-	721	-	721
Mexico	-	739	1,010	-	1,749
Republic of					
Kiribati	-	-	-	4,000	4,000
<u>Total Public</u>					
Donors	<u>222,264</u>	<u>83,205</u>	<u>972,950</u>	<u>1,232,852</u>	<u>2,511,271</u>
<u>Private Donors:</u>					
Ford Foundation	-	-	64,573	63,662	128,235
Rockefeller					
Foundation	-	1,500	1,279	25,000	27,779
Kettering					
Foundation	-	-	143	-	143
Asia					
Foundation	-	800	-	-	800
Int'l Union					
Study on					
Population	-	-	2,933	-	2,933
IUGS - Int'l. Union					
Geo. Sci.	-	6,255	73,843	-	80,098
Bankers Assn.					
Korea	-	10,000	-	-	10,000
Comm. for Coord/					
JT Prospect	-	-	680	-	680
U.S. Ed.					
Institutions	-	3,133	15,641	-	18,774
United Nations Gen.	-	20,334	28,441	37,120	85,895



CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1982

	<u>General Operating</u> <u>Gifts</u>			<u>Restricted</u> <u>Gifts,</u> <u>Grants and</u> <u>Contracts</u>	<u>Total</u>
	<u>General</u>	<u>Cost</u> <u>Sharing</u>	<u>Donated</u> <u>Services</u>		
<u>Private Donors:</u>					
Wener Gren Anthro. Foundation	-	-	10,410	-	10,410
Int'l. Explore & Prod. Forum	-	8,500	-	-	8,500
CLI Kettering Fdn. 1A281-7	-	-	6,024	-	6,024
University of Hawaii Fdn.	-	24,120	6,798	-	30,918
Ronald Weidenbach Summer Institute	-	-	8,400	-	8,400
of Ling	-	-	5,250	-	5,250
Population Council	-	1,000	-	-	1,000
University of Hawaii	-	11,260	82,440	-	93,700
World Bank	-	130	4,542	19,998	24,670
Fulbright - Hayes	-	-	5,040	-	5,040
South Pacific Commission	-	1,963	-	-	1,963
Exxon Corporation	-	10,000	-	-	10,000
Princeton	-	18,000	-	-	18,000
Westinghouse	-	-	-	5,925	5,925
Miscellaneous	-	22,911	13,556	34,155	70,622
Total Private Donors	-	139,906	329,993	185,860	655,759
Total	<u>\$222,264</u>	<u>\$223,111</u>	<u>\$1,302,943</u>	<u>\$1,418,712</u>	<u>\$3,167,030</u>
Total for last year	<u>\$389,647</u>	<u>\$108,102</u>	<u>\$1,599,795</u>	<u>\$1,502,219</u>	<u>\$3,599,763</u>

Schedule IV

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1981

	<u>General Operating</u>			Restricted Gifts, Grants and Contracts	<u>Total</u>
	<u>Gifts</u>				
	<u>General</u>	<u>Cost Sharing</u>	<u>Donated Services</u>		
<u>Public Donors:</u>					
Australia	\$ -	\$ -	\$ 20,518	\$ 59,045	\$ 79,563
Bangladesh	7,200	-	4,724	-	11,924
Canada	-	-	8,860	-	8,860
China	-	-	71,969	-	71,969
Fiji Islands	-	-	9,125	5,000	14,125
Indonesia	99,995	-	9,662	-	109,657
Iran	-	-	1,232	-	1,232
Japan	-	682	51,645	50,000	102,327
Korea	150,000	-	39,710	-	189,710
New Zealand	-	-	3,036	-	3,036
Pakistan	3,021	-	-	-	3,021
Philippines	-	906	24,380	-	25,286
Sri Lanka	1,000	-	2,554	-	3,554
Thailand	50,000	-	41,811	-	91,811
United States	-	8,857	39,823	1,241,481	1,290,161
Coord. Council for N.A.	20,000	-	-	-	20,000
Federated States of Micronesia	5,000	-	-	-	5,000
Malaysia	12,500	1,510	12,566	-	26,576
New Guinea	40,831	-	9,048	-	49,879
Taiwan	-	-	1,794	-	1,794
Hong Kong	-	-	1,568	-	1,568
Nepal	-	-	962	-	962
India	-	-	14,637	-	14,637
American Samoa	-	-	7,000	-	7,000
England	-	-	6,084	-	6,084
Greece	-	-	4,268	-	4,268
Saudi Arabia	-	-	3,998	-	3,998
Total Public Donors	389,547	11,955	390,974	1,355,526	2,148,002

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1981

	<u>General Operating</u> <u>Gifts</u>			<u>Restricted</u> <u>Gifts,</u> <u>Grants and</u> <u>Contracts</u>	<u>Total</u>
	<u>General</u>	<u>Cost</u> <u>Sharing</u>	<u>Donated</u> <u>Services</u>		
<u>Private Donors:</u>					
Ford Foundation	-	5,144	16,932	90,097	112,173
Jefferson Fellows	-	-	-	250	250
United Nations World Fertility Survey	-	-	88,415	( 16,778)	71,637
Asia Foundation	-	-	-	33,941	33,941
Kettering Foundation	-	-	-	10,550	10,550
Int'l Union Study on Population	-	-	-	12,000	12,000
American Council of Learned SOL Inst. of Behavior Science	-	25,000	2,689	-	27,689
Wener Gren Anthro Foundation	-	-	19,341	-	19,341
Int'l Explore & Prod. Forum	-	-	4,096	-	4,096
League of Women Voters	-	-	7,820	-	7,820
Humphrey Institute	-	7,500	-	-	7,500
U.H. Foundation	-	2,075	-	-	2,075
University of Hawaii	-	15,000	-	-	15,000
Chevron	-	-	34,488	-	34,488
Union Oil	-	-	107,592	-	107,592
Exxon Corporation	-	5,000	884	-	5,884
Pac Sci Inter Congress	-	-	1,743	-	1,743
	-	-	1,133	-	1,133
	-	-	10,182	-	10,182



CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1981

	General Operating Gifts			Restricted Gifts, Grants and Contracts	Total
	General	Cost Sharing	Donated Services		
Private Donors:					
Ford Foundation	-	5,144	16,932	90,097	112,173
Jefferson Fellows	-	-	-	250	250
United Nations World Fertility Survey	-	-	88,415	( 16,778)	71,637
Asia Foundation	-	-	-	33,941	33,941
Kettering Foundation	-	-	-	10,550	10,550
Int'l Union Study on Population	-	25,000	2,689	-	27,689
American Council of Learned SOL	-	-	19,341	-	19,341
Inst. of Behavior Science	-	-	4,096	-	4,096
Werner Gren Anthro Foundation	-	-	7,820	-	7,820
Int'l Explore & Prod. Forum	-	7,500	-	-	7,500
League of Women Voters	-	2,075	-	-	2,075
Humphrey Institute	-	15,000	-	-	15,000
U.H. Foundation	-	-	34,488	-	34,488
University of Hawaii	-	-	107,592	-	107,592
Chevron	-	5,000	884	-	5,884
Union Oil	-	-	1,743	-	1,743
Exxon Corporation	-	-	1,133	-	1,133
Pac Sci Inter Congress	-	-	10,182	-	10,182

Schedule IV  
(Cont'd.)

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1981

	<u>General Operating</u> <u>Gifts</u>			<u>Restricted</u> <u>Gifts,</u> <u>Grants and</u> <u>Contracts</u>	<u>Total</u>
	<u>General</u>	<u>Cost</u> <u>Sharing</u>	<u>Donated</u> <u>Services</u>		
<u>Private Donors:</u>					
U.S. Man & Bio- sphere Prog.	-	-	9,329	-	9,329
Population Council	-	-	1,139	-	1,139
World Health Org.	-	-	1,244	-	1,244
World Bank University	-	-	3,163	-	3,163
Newfoundland Fulbright-	-	-	79,934	-	79,934
Hayes	-	-	23,822	-	23,822
Bogor Agri. U. ESCAP,	-	-	5,150	-	5,150
Thailand	-	-	2,852	-	2,852
Toyota Fdn.	-	-	2,333	-	2,333
U. of Western Ontario	-	-	34,862	-	34,862
La Trobe U.	-	-	2,000	-	2,000
South Pacific Commission	-	-	2,600	-	2,600
Soc. Welfare & Dev. Ctr.	-	-	-	4,647	4,647
Asian Mass Comm. Rest. Info. Ctr.	-	-	8,695	-	8,695
Int. of Beh. Sciences	-	-	1,384	-	1,384
Open University	-	1,748	-	-	1,748
Dalhousie Univ.	-	450	6,244	-	6,694
Danforth Fdn.	-	-	2,790	-	2,790
Chinese U. of Hong Kong	-	-	8,150	-	8,150
Kellogg Univ.	-	-	994	-	994

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1981

	<u>General Operating</u>			<u>Restricted Gifts, Grants and Contracts</u>	<u>Total</u>
	<u>Gifts</u>				
	<u>General</u>	<u>Cost Sharing</u>	<u>Donated Services</u>		
<u>Private Donors:</u>					
Alaska Pacific Univ.	-	-	-	3,075	3,075
Stanford U. San Diego State	-	-	-	3,600	3,600
Princeton U.	-	-	13,096	-	13,096
W. Washington U.	-	18,000	28,178	-	46,178
Mass. Inst. of Tech.	-	-	18,764	-	18,764
UCLA	-	-	23,330	-	23,330
SUNY	-	-	5,640	-	5,640
U. of Wisconsin	-	-	36,262	-	36,262
Purdue U.	-	-	3,182	-	3,182
U. of Miami	-	-	2,072	-	2,072
Columbia Teacher's College	-	-	3,748	-	3,748
Simon Frazer U.	-	-	3,165	-	3,165
Indiana State U.	-	-	2,746	-	2,746
U.S. Ed Institute - Other	-	-	3,902	-	3,902
Gerald Sussman	-	1,003	14,209	2,500	17,712
Joseph Woelfel	-	-	2,820	-	2,820
Kai Drammer	-	-	26,880	-	26,880
Jagadeswari Satha	-	-	8,272	-	8,272
Christopher Lewis	-	-	5,405	-	5,405
Hazel Kraemer	-	-	2,967	-	2,967
Stephen Bouchner	-	-	32,594	-	32,594
Quisumbing	-	-	5,168	-	5,168
	-	-	6,056	-	6,056



CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.SCHEDULE OF CURRENT GIFTS, GRANTS,  
CONTRACTS AND DONATED SERVICES REVENUES AWARDED

Year ended September 30, 1981

	General Operating			Restricted Gifts, Grants and Contracts	Total
	Gifts				
	General	Cost Sharing	Donated Services		
<u>Private Donors:</u>					
Syng-il Hyun	-	-	5,640	-	5,640
Irene Cortes	-	-	4,272	-	4,272
Benjamin Domgingo	-	-	23,798	-	23,798
Francisco Jose	-	-	16,132	-	16,132
John P. Fieg	-	-	3,290	-	3,290
Karl Rensch	-	-	3,451	-	3,451
Joe D. Palmer	-	-	6,232	-	6,232
Ian Hills	-	-	7,957	-	7,957
Devaiah					
Muruvanda	-	-	4,818	-	4,818
Susan Carter	-	-	2,526	-	2,526
Tae Soo Chon	-	-	3,958	-	3,958
William Sewell	-	-	9,284	-	9,284
Mary Brandt	-	-	2,928	-	2,928
Majid Tehranian	-	-	4,110	-	4,110
William Hausman	-	-	12,624	-	12,624
Janis Fox	-	-	2,709	-	2,709
Alan German	-	-	2,687	-	2,687
Karen Griffin	-	-	3,555	-	3,555
Sherman Giffen	-	-	3,555	-	3,555
Sharon Rushcamp	-	-	3,555	-	3,555
Thomas Rushcamp	-	-	3,555	-	3,555
Gracelyn					
Smallwood	-	-	3,299	-	3,299
Joan Wolf	-	-	3,235	-	3,235
Bernie Mithen	-	-	2,740	-	2,740
Vija Sengal	-	-	2,688	-	2,688
Richard Baldauf	-	-	3,851	-	3,851
Norman Dinges	-	-	9,079	-	9,079
Anne Hines	-	-	2,563	-	2,563
Joan Diamond	-	-	3,904	-	3,904
Miscellaneous	100	15,227	306,370	2,811	324,508
Total Private Donors	100	96,147	1,208,821	146,693	1,451,761
Total	<u>\$389,647</u>	<u>\$108,102</u>	<u>\$1,599,795</u>	<u>\$1,502,219</u>	<u>\$3,599,763</u>
Total for last year	<u>\$189,812</u>	<u>\$ 61,035</u>	<u>\$1,005,907</u>	<u>\$1,074,789</u>	<u>\$2,351,106</u>

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN RESTRICTED  
OPERATING GIFTS, GRANTS AND CONTRACTS FUND BALANCES

Year ended September 30, 1982

	Balance October 1, 1981	Additions	Expendi- tures and Deletions	Balance September 30, 1982
<b>Public Sector:</b>				
Japan	\$ 49,040	\$ 70,000	\$ 45,437	\$ 73,603
Australia	-	114,815	17,842	96,973
United States	1,133,573	1,031,037	983,831	1,180,779
Hawaii	96,060	-	78,419	17,641
American Samoa	1,740	2,000	3,322	418
Fiji Islands	11,192	5,000	12,483	3,709
Federated States of Micronisia	-	2,000	16	1,984
Tonga Government	-	4,000	56	3,944
Republic of Kiribati	-	4,000	453	3,547
<b>Total Public Sector</b>	<b>1,291,605</b>	<b>1,232,852</b>	<b>1,141,859</b>	<b>1,382,598</b>
<b>Private Sector:</b>				
Asia Foundation	7,000	-	525	6,475
Dai Ho Chun	2,720	1,320	800	3,240
Alumni Gift	1,090	-	975	115
Ford Foundation	86,417	22,494	32,859	76,052
Gannett Publishers	305	-	258	47
Japan Society of Air Pollution	1,457	-	-	1,457
World Fertility Survey	18,779	-	16,944	1,835
Social Welfare and Development Center	1,961	-	285	1,676
United Nations	30,571	37,120	36,318	31,373
Ford/KIRBS/IDRC	9,894	-	6,548	3,346
Stanford University	2,228	-	1,384	844
Washington State University	2,457	-	543	1,914
Kettering Foundation	12,000	-	12,000	-
Australia University	1,273	-	-	1,273
Kiwanis	33	-	31	2
Kaimuki Lions Club	100	-	100	-
Participants	1,317	-	1,317	-
Rockefeller Foundation	-	25,000	-	25,000
World Bank	-	19,998	19,998	-
Westinghouse	-	5,925	3,567	2,358
Ford/IDRC.	-	41,168	16,732	24,436
Misc. Private Donors	-	32,835	8,885	23,950
<b>Total Private Sector</b>	<b>179,602</b>	<b>185,860</b>	<b>160,069</b>	<b>205,393</b>
	<b>\$1,471,207</b>	<b>\$1,418,712</b>	<b>\$1,301,928</b>	<b>\$1,587,991</b>

CENTER FOR CULTURAL AND TECHNICAL  
INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN RESTRICTED  
OPERATING GIFTS, GRANTS AND CONTRACTS FUND BALANCES

Year ended September 30, 1981

	Balance October 1, 1980	Additions	Expendi- tures and Deletions	Balance September 30, 1981
<b>Public Sector:</b>				
Japan	\$ -	\$ 50,000	\$ 960	\$ 49,040
Tonga	150	-	150	-
Australia	-	59,045	59,045	-
United States	1,240,150	1,145,940	1,252,517	1,133,573
Hawaii	25,627	95,541	25,108	96,060
American Samoa	1,740	-	-	1,740
Fiji Islands	6,192	5,000	-	11,192
<b>Total Public Sector</b>	<b>1,273,859</b>	<b>1,355,526</b>	<b>1,337,780</b>	<b>1,291,605</b>
<b>Private Sector:</b>				
Asia Foundation	12,808	10,550	16,358	7,000
Dai Ho Chun	1,334	1,386	-	2,720
Alumni Gift	1,139	-	49	1,090
Exxon	9,845	-	9,845	-
Ford Foundation	17,437	90,097	21,117	86,417
Gannett Publishers	104	250	49	305
Japan Society of Air Pollution	1,457	-	-	1,457
World Fertility Survey	-	33,941	15,162	18,779
Social Welfare and Development Center	-	4,647	2,686	1,961
United Nations	111,692	( 16,778)	64,343	30,571
Ford/KIRBS/IDRC	17,153	-	7,259	9,894
Rockefeller Foundation	4,750	-	4,750	-
Alaska Pacific University	-	3,075	3,075	-
Stanford University	-	3,600	1,372	2,228
Washington State University	-	2,500	43	2,457
Kettering Foundation	-	12,000	-	12,000
Australia University	1,273	-	-	1,273
Kiwanis	42	-	9	33
Kaimuki Lions Club	100	-	-	100
Participants	86	1,425	194	1,317
<b>Total Private Sector</b>	<b>179,220</b>	<b>146,693</b>	<b>146,311</b>	<b>179,602</b>
	<b>\$1,453,079</b>	<b>\$1,502,219</b>	<b>\$1,484,091</b>	<b>\$1,471,207</b>





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Lee-Jay Cho

*Director*

*Population Institute*

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*Assistant to the President and  
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1982

Twenty-second Annual Report

